

NAVY TRAINING SYSTEM PLAN

FOR THE

GBU-24 SERIES

(PAVEWAY)

LOW LEVEL LASER GUIDED BOMB

HARD TARGET PENETRATOR

N78-NTSP-A-50-0106/A

DECEMBER 2001

**GBU-24 SERIES LOW LEVEL LASER GUIDED BOMB
HARD TARGET PENETRATOR**

EXECUTIVE SUMMARY

This Navy Training System Plan (NTSP) has been developed to identify the life cycle Manpower, Personnel, and Training (MPT) requirements associated with the Guided Bomb Unit (GBU)-24 Series Low Level Laser Guided Bomb (LLLGB), Hard Target Penetrator (HTP). No previous NTSP exists for the GBU-24 Series LLLGB, HTP.

The GBU-24B/B LLLGB, HTP, and by extension, the GBU-24E/B, are an evolution of the United States Air Force (USAF) developed PAVEWAY, I and II Laser-Guided Weapon Systems. The GBU-24E/B is an upgraded follow-on to the previously developed GBU-24B/B LLLGB, HTP which is now in the Operational and Support phase of the Defense Acquisition System (DAS). The GBU-24E/B, currently in the System Development and Demonstration phase of the DAS, will eventually replace the GBU-24B/B. For the purposes of this document, except for specific design or other noted differences, the information provided will apply to both the GBU-24B/B and the GBU-24E/B versions of the weapon.

Operations in the Persian Gulf during Operation Desert Storm demonstrated that the Navy had limited capability to destroy buried or surface-hardened targets such as command and control bunkers, aircraft revetments, and shelters, with weapons employed from tactical aircraft. Based upon this need and the availability of the proven USAF 2,000 pound class GBU-24A/B laser-guided PAVEWAY III, in 1991 the Assistant Secretary of the Navy for Research, Development, and Acquisition authorized the procurement, modification, and qualification of the GBU-24A/B for Navy use. This resulted in the GBU-24B/B HTP weapon system, which was capable of overcoming the deficiencies demonstrated during Desert Storm.

The GBU-24 B/B provides significant capabilities, but a requirement to field an "Enhanced" GBU-24 was established by Chief of Naval Operations (CNO) (N780) in June 1997. After review of the program Plan of Action and Milestones (POA&M), CNO authorized the proposed modification, qualification and procurement of 500 GBU-24E/B weapons.

The GBU-24 Series maintenance concept is based on an overall objective to ensure that sufficient tactical weapons are available to fulfill commitments of operational activities and to restore unserviceable units to serviceable condition with minimal downtime. Maintenance requirements are allocated to the organizational, intermediate, and depot levels of maintenance as defined in the Naval Ordnance Maintenance Management Program (NOMMP), Office of the Chief of Naval Operations Instruction (OPNAVINST) 8000.16 (series). Workload associated with the GBU-24 system does not increase manning levels, and no additional manpower requirements are associated with introducing the system.

The GBU-24 Series training concept is to provide Initial and Follow-on training for maintenance and operator personnel. This training is divided into organizational and

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intermediate level maintenance training based on OPNAVINST 8000.16. Depot level maintenance and any depot level training required is accomplished by the USAF. Operator training is provided to aviators at the Strike Fighter Weapons Schools (SFWS) and the appropriate Fleet Readiness Squadrons (FRS). Platform weapons school organizational level training is provided to F-14 and F/A-18 maintenance personnel at the appropriate Naval Air Maintenance Training Unit (NAMTRAU) Maintenance Training Unit (MTU) and Naval Aviation Maintenance Training Marine Unit (NAMTRA MARUNIT) activity. Weapons loading training is conducted at the appropriate aircraft loading school. Intermediate level maintenance personnel are trained at the appropriate MTU.

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LIST OF ACRONYMS

ADG	Adapter Group
AFB	Air Force Base
AFG	Airfoil Group
AIMD	Aircraft Intermediate Maintenance Department
AMTCS	Aviation Maintenance Training Continuum System
AO	Aviation Ordnanceman
ASM	Aviation Maintenance Training Continuum System - Software Module
BCM	Capability of Maintenance
BFD	Battery Firing Device
BIT	Built-In Test
BUPERS	Bureau of Personnel
CAI	Computer Aided Instruction
CBT	Computer-Based Training
CEST	Classroom Explosive Ordnance Disposal System Trainer
CFY	Current Fiscal Year
CINCLANTFLT	Commander In Chief, Atlantic Fleet
CINCPACFLT	Commander In Chief, Pacific Fleet
CMI	Computer Managed Instruction
CNET	Chief of Naval Education and Training
CNO	Chief of Naval Operations
COMNAVAIRESFOR	Commander, Naval Air Reserve Forces
COMNAVAIRLANT	Commander, Naval Air Force, Atlantic Fleet
COMNAVAIRPAC	Commander, Naval Air Force, Pacific Fleet
COTS	Commercial Off-the-Shelf
CTP	Critical Technical Parameters
CV	Aircraft Carrier
CVN	Aircraft Carrier Nuclear
CWTPI	Conventional Weapon Technical Proficiency Inspection
DT&E	Developmental Test and Evaluation
DTM	Data Transfer Module
ECR	Electronic Classrooms
EOD	Explosive Ordnance Disposal
EODTEU	EOD Technical Evaluation Units

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LIST OF ACRONYMS

ETJ	Electronic Training Jacket
FASO	Fleet Aviation Specialized Training Group
FMS	Foreign Military Sales
FOT&E	Follow-on Operational Test and Evaluation
FRS	Fleet Readiness Squadron
FTD	Fleet Training Devices
FY	Fiscal Year
GBU	Guided Bomb Unit
GCU	Guidance Control Unit
GEU	Guidance Electronics Unit
GPS	Global Positioning System
HARDMAN	Hardware/Manpower
HTP	Hard Target Penetrator
ICW	Interactive Courseware
ILSP	Integrated Logistics Support Plan
IMU	Inertial Measurement Unit
INS	Inertial Navigation System
IOC	Initial Operating Capability
IOT&E	Initial Operational Test and Evaluation
LDT	Load Drill Trainer
LLLGB	Low Level Laser Guided Bomb
LRC	Learning Resource Centers
MALS	Marine Aviation Logistics Squadron
MATMEP	Marine Aviation Training Management Evaluation Program
MCCDC	Marine Corps Combat Development Command
MCO	Marine Corps Order
MIL-STD	Military-Standard
MOS	Military Occupational Specialty
MOTT	Mobile Ordnance Training Team
MPT	Manpower, Personnel, and Training
MTIP	Maintenance Training Improvement Program
MT	Mission Trainer

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LIST OF ACRONYMS

MTL	Master Task List
MTU	Maintenance Training Unit
NA	Not Applicable
NAB	Naval Amphibious Base
NAMTRAU	Naval Air Maintenance Training Unit
NAMTRAGRU DET	Naval Air Maintenance Training Group Detachment
NAMTRA MARUNIT	Naval Aviation Maintenance Training Marine Unit
NAS	Naval Air Station
NAVAIRSYSCOM	Naval Air Systems Command
NAVPERSCOM	Navy Personnel Command
NAVSCOLEOD	Navy Explosive Ordnance Disposal School
NAVSURFWARCEN	Naval Surface Warfare Center
NAWCWD	Naval Air Warfare Center, Weapons Division
NEC	Navy Enlisted Classification
NOMMP	Naval Ordnance Maintenance Management Program
NS	Naval Station
NSAWC	Naval Strike and Air Warfare Center
NTSP	Navy Training System Plan
NWS	Naval Weapons Station
OATMS	OPNAV Aviation Training Management System
OFF	Operational Flight Program
OFT	Operational Flight Trainer
OPEVAL	Operational Evaluation
OPNAV	Office of the Chief of Naval Operations
OPNAVINST	Office of the Chief of Naval Operations Instruction
OPO	OPNAV Principal Official
OPTEVFOR	Operational Test and Evaluation Force
OT	Operational Test
PEST	Practical Explosive Ordnance Disposal System Trainer
PFY	Previous Fiscal Year
PMA	Program Manager, Air
POA&M	Plan of Action and Milestones
PTT	Part Task Trainer
RFOU	Ready For Operational Use

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LIST OF ACRONYMS

RIO	Radar Intercept Officer
RSC	Raytheon Systems Company
SELRES	Selected Reserve
SFTI	Strike Fighter Tactics Instructor
SFTP	Strike Fighter Training Program
SFTS	Strike Fighter Training System
SFWS	Strike Fighter Weapons School
SFWT	Strike Fighter Weapons and Tactics
SMCR	Selected Marine Corps Reserves
T/M/S	Type/Model/Series
TBD	To Be Determined
TD	Training Device
TMCR	Technical Manual Contract Requirements
TTE	Technical Training Equipment
UIC	Unit Identification Code
USAF	United States Air Force
USMC	United States Marine Corps
USN	United States Navy
WSMR	White Sands Missile Range
WSO	Weapons and Sensor Operator
WST	Weapon System Trainer

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PREFACE

This Approved Navy Training System Plan (NTSP) has been developed to update the Guided Bomb Unit (GBU)-24 Series Low Level Laser Guided Bomb Hard Target Penetrator Draft Navy Training System Plan, N78-NTSP-A-50-0106/D, dated March 2001. This document has been updated to comply with guidelines set forth in the Navy Training Requirements Documentation Manual.

This Approved NTSP includes fleet comments as follows:

- Director of Naval Training and Education (N79). Comments related to Course length and Manning
- Director, Total Force Programming, Manpower and Information Resource Management Division (N-12) Comments related to Manpower methodology used.
- Commander, Naval Air Systems Command, Manpower Personnel, and Training (AIR 3.4.1). Comments related to Operational Concept, Training track identification, Training prerequisites, Proper FY Manning, Document layout, Pending Milestones, Points of Contact
- Commander, Naval Air Warfare Center, Weapons Division (NAWCWD). Comments related to Training Logistics Requirements.
- Commanding Officer, Naval Air Maintenance Training Group (NAMTRAGRU) N2412. Comments related to Training, Trainer Requirements, and course identification.
- Commanding Officer, Naval Air Maintenance Training Unit (NAMTRAU). Comments related to Class lengths.
- Commanding Officer, Strike weapons and Tactics School, Atlantic (SWATSLANT). Comments related to training assets.

New manpower data from Tables of Organization (T/O) and Activity Manpower Documents (AMD) have been incorporated to reflect the latest manpower and training requirements.

This NTSP provides information on current logistics support requirements for training activities that provide instruction on maintenance and safety while using Airborne Expendable Countermeasures.

PART I - TECHNICAL PROGRAM DATA

A. NOMENCLATURE-TITLE-PROGRAM

1. Nomenclature-Title-Acronym. GBU-24 Series Low Level Laser Guided Bomb, Hard Target Penetrator (LLLGB, HTP).

2. Program Element. 0205601N

B. SECURITY CLASSIFICATION

1. System Characteristics. Unclassified.

2. Capabilities. Unclassified.

3. Functions...... Unclassified.

C. MANPOWER, PERSONNEL, AND TRAINING PRINCIPALS

OPNAV Principal Official (OPO) Program Sponsor..... CNO (N780D)

OPO Resource Sponsor CNO (N780D)

Developing AgencyNAVAIRSYSCOM (PMA 201)

Training Agency..... CINCLANTFLT
CINCPACFLT
COMNAVAIRESFOR
CNET
MCCDC

Training Support Agency.....NAVAIRSYSCOM (PMA205)

Manpower and Personnel Mission Sponsor CNO (N12)
NAVPERSCOM (PERS-4, PERS-404)

Director of Naval Training CNO (N7)

Commander, Reserve Program Manager.....COMNAVAIRESFOR

Marine Corps Force Structure.....MCCDC (C53)

D. SYSTEM DESCRIPTION

1. Operational Uses. The GBU-24 Series LLLGB, HTP is a weapon which has a laser guidance package attached to a penetrator warhead (Paveway III electronics and mechanical assemblies added to the nose and tail of the BLU-109 bomb body). It is carried and launched from F-14B/D and F/A-18C/D/E/F (hereafter referred to as F-14 or F/A-18) aircraft and is designed for use when attacking hardened targets. The weapon will operate from a variety of different launch scenarios (high/low altitude, level/dive/loft deliveries). Terminal impact angles can be optimized for hardened targets with a number of orientations (including vertical or horizontal targets).

2. Foreign Military Sales. Foreign Military Sales (FMS) procurement is anticipated after Operational Evaluation (OPEVAL). The United States Air Force (USAF), as the executive service, is responsible for FMS.

E. DEVELOPMENTAL TEST AND OPERATIONAL TEST

1. Initial Operational Test and Evaluation (IOT&E) of the GBU-24 system was first conducted in 1987 by the USAF Tactical Air Warfare Center. Based on USAF results, CNO determined that the GBU-24 effectiveness and reliability met Navy requirements. The Navy conducted Follow-on Operational Test and Evaluation (FOT&E) Operational Test (OT)-III, verifying the compatibility and integration of the GBU-24 system as delivered from Naval aircraft. OT-III FOT&E of the GBU-24B/B project was conducted at NAWCWD, China Lake California, and White Sands Missile Range (WSMR), from October to December 1993, and at sea aboard USS CAMDEN (AOE 2), and USS CARL VINSON, Aircraft Carrier Nuclear (CVN)-70 in October 1993.

2. Developmental Test and Evaluation (DT&E) of the GBU-24E/B will be conducted to ensure compatibility with Navy requirements. The developmental testing planned prior to and during operational testing will include tests structured to gather ground and flight, test data for various areas of interest. These tests include Critical Technical Parameters (CTP) and test conditions that were not addressed or demonstrated at lesser levels during weapon development. GBU-24E/B weapon performance, integration and compatibility features will be determined against the requirements of Navy unique operations and environments. Flight test results will be used to validate the full interface and power-only mode of the weapon and carriage and release envelopes for the F/A-18 and F-14. Testing will support eventual fleet clearance for carriage and employment of the weapon system. All test results will be used to support a decision to initiate operational testing.

3. The GBU-24E/B has been enhanced with the addition of the navigational capability provided by a Global Positioning System (GPS). OT-III A will test this new capability and the legacy mode of the GBU-24E/B. OT-III A for GBU-24E/B was conducted in second and third quarter FY01 at various sites, including NAWCWD, China Lake and Point Mugu, WSMR, and at sea aboard an Aircraft Carrier (CV) or CVN, under various environmental conditions. Discrepancies found during testing are currently being corrected and retest is scheduled for third

quarter FY02. The GBU-24E/B system was operated and maintained by VX-9 personnel during OT-III A.

F. AIRCRAFT AND/OR EQUIPMENT/SYSTEM/SUBSYSTEM REPLACED. The GBU-24 Series LLLGB, HTP does not replace any existing Navy or Marine Corps weapon system.

G. DESCRIPTION OF NEW DEVELOPMENT

1. GBU-24B/B Functional Description. The GBU-24B/B is a laser guided bomb capable of single or multiple carriage on host aircraft. Guidance is provided by laser energy reflected from the target. Target illumination, may be provided by the delivery aircraft, another aircraft, or a ground designator. The weapon can be operated from a variety of different launch scenarios (high/low altitude, level/dive/loft deliveries). Terminal impact angles can be optimized for hardened targets with a number of orientations (including vertical or horizontal targets). Four delivery options modes can be selected by setting the mode switch (on the side of the Guidance Control Unit (GCU)) prior to aircraft takeoff. Once the weapon has been released from the aircraft, the ensuing flight can be divided into three phases: Initialization, Midcourse, and Terminal Guidance.

Initialization. During Initialization phase, there is an approximate two-second wait period to permit safe separation distance of the weapon from the aircraft. The control system is then activated. The GCU determines the mode selection and examines altitude data from the barometer within the GCU. From this available information, an optimum midcourse flight trajectory is determined.

Midcourse. The midcourse flight selection is based upon the conditions measured during the Initialization phase. The midcourse flight profile and seeker scan functions are optimized to provide the best possible probability for acquiring the target, while maintaining the maximum energy for penetration. The midcourse phase is maintained until the target is acquired.

Terminal Guidance. After the weapon acquires the target, it enters the Terminal Guidance phase of flight. During this phase the weapon trajectory is optimized to provide the best possible penetration of the target, based upon the target conditions determined by the GCU during the Initialization phase of flight.

The following paragraphs provide a functional description of the GBU-24B/B GCU, Airfoil Group (AFG), Adapter Group (ADG), Fuze System, and penetrator body.

a. Guidance Control Unit, WGU-39/B. The GCU detects the laser energy reflected from the target, processes the signals, and guides the weapon to the target. The GCU consists of a seeker platform assembly, a Guidance Electronics Unit (GEU), and a control actuator assembly. The seeker platform converts the laser energy into line-of-sight error signals and sends them to the GEU. The GEU receives the seeker platform signals and processes them into control commands for the control actuator assembly. There are four CODE SELECT

switches and two MISSION SELECT switches (MODE and WEAPON IDENT) located on the side of the GEU that are set prior to aircraft launch to match mission requirements.

b. GCU Components

(1) Seeker Platform Assembly. The seeker platform is a gimbaled laser seeker. The laser sensor is a four-quadrant detector system that senses the location of a target within the instantaneous field of view. The laser energy reflected from the target is converted into line-of-sight error signals that are amplified, then sent to the GEU.

(2) Guidance Electronics Unit. The GEU receives the seeker platform signals and processes them into control commands for the control actuator assembly. The CPU-186A/B GEU contains four CODE SELECT switches and two MISSION SELECT switches located on the side of the GEU that are set prior to launch to match mission requirements.

(3) Control Actuator Assembly. The control actuator assembly contains the cold gas pneumatic system, barometer, control fin shafts, system battery, and system activation battery (thermal battery firing device). The system activation battery provides the voltage to activate the system thermal battery and gyro assemblies. The pneumatic system is a two-axis servosystem that receives commands from the GEU and positions the control fins to maneuver the weapon.

c. Airfoil Group, BSU-84/B and BSU-84A/B

The AFG consists of a forward adapter assembly, four control fin assemblies, a folding wing assembly, and three arming lanyards. The forward adapter assembly mounts the GCU to the warhead. The control fins attach to the control actuator assembly and maneuver the system in flight. The wing assembly spider and linkage assembly, located in the interior of the AFG, when held by the wing release latch, compresses a set of springs and folds the wings into the fairing. Tripping the latch releases the spider. The springs push the spider and linkage assembly, moving the wings to the extended position. The wing release latch is activated when the weapon system is released from the aircraft, and after arming cable extraction.

d. Adapter Group, ADG-770/B. The adapter group consists of a hardback, two suspension lugs, two lug sleeves, aft fairing assembly, and an FZU extender. The hardback attaches to the BLU-109 bomb body and provides for the proper clearance of the weapon when attached to the aircraft. The lug sleeves bolt to the bomb body and the suspension lugs screw into the lug sleeves. The aft fairing assembly provides an aerodynamic interface between the bomb body and wing assembly. The FZU extender sits in the arming well of the BLU-109 bomb body and extends to the bottom of the hardback. The FZU arming cable is routed through the extender, and the FZU is attached to the hardback on top of the extender.

e. Fuze Assembly, FMU-143E/B. The fuze assembly consists of an FMU-143 bomb fuze, a retractile cable assembly, an arming lanyard, a safety pin WARNING flag, a fuze mount retainer, 2 eighteen inch lanyards, and an FZU-32B/B initiator. The FMU-143 bomb fuze assembly is designed to detonate 60 milliseconds after impact. A selected arming delay of 5.5 or 12 seconds is initiated when the bomb is released from the aircraft. The Navy is authorized the

12 seconds delay only because of safe separation concerns and premature detonations. The FZU-32B/B initiator is used to generate and supply power to arm the fuze.

f. Penetrator Warhead, BLU-109A/B. The bomb case is made from modified 4340 alloy steel with a body designed for improved ballistics. The heavy-walled steel case provides the penetration capabilities of 4 to 6 feet of reinforced concrete. A conduit (charging tube) connects the fuze well to the arming well. The fuze well accepts and mounts the FMU-143E/B fuze assembly. The FZU-32B/B initiator is mounted in the arming well on the upper surface of the bomb and is connected to the fuze via a retractile electrical cable through the charging tube conduit. The BLU-109A/B contains PBXN-109 explosive fill and is thermally protected to provide additional insensitive munitions capability over the original Tritonal fill used in the Air Force version.

2. GBU-24E/B Functional Description. The GBU-24E/B is a GPS-aided, all-weather guided bomb capable of single or multiple carriage on host aircraft. The GBU is normally mounted on aircraft with full or partial Military-Standard (MIL-STD)-1760 communications interface, but can alternatively be used on aircraft without any umbilical interface with the GBU. The GBU mission options are selected prior to captive carriage and delivery, and when installed on a full interface aircraft, the mission may be changed prior to weapon launch. In the enhanced mode the GBU is intended to engage stationary targets for which it has been pre-briefed with target location information and mission options. It is also capable of engaging moving targets of opportunity when used as a conventional GBU when the all-weather enhanced capabilities are not required. Upon release in the enhanced mode, the GBU flies the selected midcourse and terminal trajectory to the pre-briefed target location without requiring continuous laser designation. If a laser designated target is acquired within the field of regard, the GBU will upgrade the target coordinates using the location of the designated target. If released from the host aircraft without power applied, the GBU performs as a conventional laser guided bomb, searching for and engaging a properly coded continuous laser return without using pre-briefed target coordinates. After launch, the weapon is in autopilot control until target acquisition. At target acquisition, the weapon is guided to target impact. The following paragraphs provide a functional description of the GBU-24E/B GCU, AFG, ADG, Fuze System, and penetrator body.

a. Guidance Control Unit, WGU-39A/B. The WGU-39A/B GCU provides the same primary laser guidance mode as the WGU-39/B, but has been modified to incorporate the GPS electronics, GPS antennas, the Inertial Measurement Unit (IMU). Also the software has been updated to add the GPS/Inertial Navigation System (INS) guidance capability and integrate the existing laser processing. The guidance mode is “accurate” when using GPS only or “precision” when GPS guidance is augmented with midcourse or terminal lasing of the target. GCU capabilities with the various possible aircraft interfaces are as follows:

(1) Full Interface. When a full-interface is provided to the weapon GCU, downloading of targeting data, weapon operating mode, GPS Crypto-Keying, GPS Ephemeris/Almanac data and transfer alignment information is provided by the aircraft. The GCU provides weapon status data back to the aircraft via the interface. Modification of targeting data is possible via the aircraft interface anytime prior to release of the weapon. The GBU-24E/B is configured to be compatible with the F/A-18C/D Operational Flight Program (OFP)-

13C JDAM communications interface. The GCU has a Built-in-Test (BIT) capability. When the GBU-24 E/B is loaded on an aircraft with full interface, the aircrew will be able to perform BIT while the aircraft is in flight.

(2) Power-only Interface. When the GCU is provided with a power-only interface (such as the F-14 Aircraft will provide), targeting data, GPS Almanac data and weapon operating mode are provided to the weapon via a Data Transfer Module (DTM). This DTM must be programmed (below deck) and plugged into the side of the GCU prior to aircraft take-off. GPS Crypto-Keying of the weapon GCU must be accomplished using a KYK-13 (or equivalent). All operations are accomplished by removing a small panel on the side of the GCU. GPS acquisition, IMU transfer alignment, and development of a navigation solution, are performed within the GCU after power-up. A signal line from the weapon is provided to indicate weapon “ready/not ready” status to the pilot. The time required to accomplish the acquisition and generation of guidance solutions is considerably longer than with full-interface communications with the aircraft. Re-targeting is not possible without removal and reprogramming of the DTM.

(3) No Interface. With no interface, the weapon GCU will operate in the laser-only mode, as if it were a GBU-24B/B. Four delivery options modes can be selected by setting the MODE switch (on the side of the GCU) prior to aircraft takeoff. Unlike the full-interface or power-only interfaces, the weapon is not powered at release, and is activated upon separation via a lanyard attached to the GCU Battery Firing Device (BFD). Once the weapon has been released from the aircraft, the ensuing flight can be divided into three phases: Initialization, Midcourse, and Terminal Guidance.

b. Airfoil Group, BSU-84B/B. The BSU-84B/B consists of the wing assembly, the forward adapter assembly, which attaches the GCU to the warhead, and the four canards, installed into the GCU control section. The cant of the wings within the current wing assembly is being changed slightly to decrease the weapon rate of roll. The wings are folded within the wing assembly and are lanyard deployed upon separation from the aircraft. The wings and canards provide lift and turning capability, which provides a much longer, range employment capability than earlier Paveway II laser-guided weapons.

c. Adapter Group, ADG-770A/B. The adapter group consists of a hardback, two suspension lugs, lug sleeves, and an aft fairing. The hardback provides proper spacing and mechanical interfacing of the weapon to a variety of Navy and Air Force aircraft bomb racks. The hardback originally used on the GBU-24B/B has been modified to provide a mounting for an electrical connector and a conduit for an electrical cable, which connects the GCU to the MIL-STD-1760 aircraft interfacing connector on the aft end of the hardback. The lug sleeves bolt to the bomb body and the suspension lugs screw into the lug sleeves. The suspension lugs project through holes in the hardback. The aft fairing provides an aerodynamic interface between the warhead and wing assembly.

d. Warhead, BLU-109A/B. The GBU-24E/B uses the same BLU-109A/B warhead, which has been qualified for use with the GBU-24B/B.

e. Fuze, FMU-143E/B. The GBU-24E/B uses the FMU-143E/B fuze, which has been qualified for use with the GBU-24B/B. The FZU-32B/B provides power for the fuze, following lanyard activation upon separation from the aircraft. The MIL-STD-1760 interface cable has necessitated a change in the arming wire routing to the aft solenoid.

f. Containers. The following is a list of the containers used to package the GBU-24 components:

GBU-24 Series Component	Container
BLU-109A/B Warhead	MHU-212/E Pallet
FMU-143E/B Fuze	PA-60
BSU-84/B, A/B, and B/B AFG	CNU-373/E
WGU-39/B and A/B GCU	CNU-371/E
ADG-770/B and A/B Adapter Group (Spacers)(MK 3 Lugs)	CNU-439A/E (ADG 770/B) or CNU-439 B/E(ADG-770A/B)

4. Physical Description. Physical characteristics of the GBU-24 Series weapons are as follows:

<u>Dimensions</u>	<u>GBU-24 B/B</u>	<u>GBU-24 E/B</u>
Length	169.7 in.	169.7 in.
Weight	2348.3 lb.	2411.5 lb.
Wing Span (closed)	36.0 in.	36.0 in.
Wing Span (open)	80.4 in.	80.4 in.
Suspension	30.0 in.	30.0 in.

5. New Development Introduction. The GBU-24B/B is currently in the fleet and the E/B will be introduced to the fleet, as an upgraded follow-on to the GBU-24B/B weapon. Initial Operating Capability (IOC) for the GBU-24E/B weapon is anticipated in fourth quarter FY02.

6. Significant Interfaces. The GBU-24E/B provides MIL-STD-1760 interface capability, which significantly enhances its capability over the GBU-24B/B.

H. CONCEPTS

1. Operational Concept. GBU-24 Series LLLGB, HTP, is designed, to be deployed with Navy and Marine Corps tactical aircraft squadrons. GBU-24 is intended for use by F-14 and F/A-18 aircraft. GBU-24 is employed in various tactical applications by aircrews, and used during air-to-ground combat evolutions. The weapon is launched from an aircraft at enemy ground targets, guided by internal GPS guidance.

2. Maintenance Concept. The GBU-24 series maintenance concept is based on an over-all objective to ensure adequate tactical assets are available to fulfill commitments of operational activities and provide the means to restore unserviceable units/components to

serviceable condition with minimal downtime. Maintenance requirements are allocated to three levels of maintenance as defined in the OPNAVINST 8000.16 (series).

a. Organizational. Organizational level maintenance for air-launched weapons is performed by personnel within the Aviation Ordnanceman (AO) rating. AOs with Navy Enlisted Classification Codes (NEC) 8341,8841, 8842 or 8342 (F/A-18), 8835, 8335, 8845, or 8345 (F-14) and United States Marine Corps (USMC) Aviation Ordnance personnel with Military Occupational Specialty (MOS) 6531 perform organizational-level maintenance for air launched weapons on F/A-18 and F-14 aircraft. Organizational level maintenance consists of functions normally performed by an operating unit on a daily basis. Organizational level maintenance for the GBU-24 Series will consist of:

- Aircraft preparation and release and control and interface checks
- Visual inspection of weapon
- Checking weapon mode switch settings
- Weapon handling
- Weapon loading and downloading.

Manning is identified by a real world, weapon load scenario of a three aircraft strike package and three teams loading at one time. One load team consists of a minimum of five United States Navy (USN) AOs with NEC 8341, 8841, 8842 or 8342 (F/A-18), or 8335, 8835, 8845 or 8345 (F-14) or five USMC AOs with MOS 6531. Aircraft load teams will be required to handle and load the GBU-24. Using the GBU-24 loading checklists for inspection and loading.

Visual inspection will be conducted prior to loading and after downloading. There are no preventive maintenance requirements at the Organizational level.

b. Intermediate. Intermediate-level maintenance is the responsibility of and is performed by designated maintenance activities that support user organizations. The intermediate level maintenance mission is to enhance and sustain combat readiness and mission capability by providing quality and timely material support to supported activities. The purpose of intermediate level maintenance is to ensure airborne weapons maintenance functions are performed at the level that ensures optimum economic use of resources. Tactical units requiring Beyond the Capability of Maintenance (BCM) at the intermediate level are returned to the depot level maintenance activity ashore for repair or disposition. GBU-24 maintenance is performed ashore at Naval Air Stations (NAS), Marine Aviation Logistics Squadrons (MALS), and afloat on CV or CVNs by Weapons Department Navy AOs with NEC 6801 and Marines with MOS 6541. Intermediate level maintenance of the GBU-24 consists of the following:

- Weapon component unpacking and packing
- Weapon component inspection
- Weapon assembly and disassembly
- Gyro switch setting
- Weapon inspection
- Identification and isolation of problems
- Sub-assembly removal and replacement

- Minor structural repair and corrosion control

Five AOs will be required to unpack and assembly GBU-24. Using the GBU-24 weapons assembly checklists for unpacking, inspecting, weapon assembly and disassembly, and packing, a minimum of five USN AOs with NEC 6801 per Weapons Department or five USMC AOs with MOS 6541 per MALS are required during peacetime operations, even though only a portion of their workload will be driven by GBU-24 operations.

c. Depot. Depot level maintenance for all GBU-24 components except the, BLU-109 bomb body will be provided by Raytheon Systems Company (RSC), Tucson, Arizona. Naval Weapons Stations (NWS) will process failed components back to the depot maintenance site. At a future date, depot level maintenance responsibilities will be assumed by the Government at a facility to be determined.

d. Interim Maintenance. The GBU-24 project office, located at NAWCWD, China Lake, provides GBU-24E/B technical assistance to organizational and intermediate activities. They provide On-the-Job Training for organizational and intermediate maintenance personnel and operational updates and briefings for flight crews.

3. Manning Concept. The introduction of GBU-24 series into the Navy inventory does not change current manpower requirements at organizational, intermediate, or depot level activities. Aircrew manpower is driven by seat factor and crew ratio. Enlisted manning for fleet squadrons, Fleet Readiness Squadrons (FRS), and intermediate level maintenance activities is based on the total assigned workload, not only on specific GBU-24 requirements. Skills required to support the GBU-24 are considered to be within the capability of personnel holding existing NEC/MOS.

4. Training Concept

a. Training. A systems approach has been applied in the development and preparation of a training program that targets designated operator and maintainer training concurrently with aircraft Type/Model/Series (T/M/S) training conducted at various (in place) training sites. During Hardware/Manpower (HARDMAN) analysis, it was determined that new stand-alone operator or maintenance courses are not required. GBU-24 training is divided into organizational and intermediate-level maintenance, based on OPNAVINST 8000.16 (series). Organizational level training is provided to operator and maintenance personal. Operator training is provided for F-14 pilots and Radar Intercept Officer (RIO) and F/A-18 pilot and Weapons and Sensor Operator (WSO) personnel. Organizational level maintenance training is provided to AO personnel in the F-14 and F/A-18 communities with NEC codes 8341 and 8342 (F/A-18), 8335 and 8345 (F-14) and MOS 6531. Intermediate level training is provided to AO maintenance personnel with NEC 6801 and MOS 6541.

The established training concept for most aviation maintenance training divides “A” School courses into two or more segments called Core and Strand. The “C” School courses are also divided into separate Initial and Career training courses. “A” School Core courses include general knowledge and skills training for the particular rating, while “A” School Strand

courses focus on the more specialized training requirements for that rating and a specific aircraft or equipment, based on the student's fleet activity destination. Strand training immediately follows Core training and is part of the "A" School. Upon completion of Core and Strand "A" School, graduates attend the appropriate Initial "C" School for additional specific training. Initial "C" School training is intended for students with a paygrade of E-4 and below. Career "C" School training is provided for E-5 and above personnel to enhance skills and knowledge within their field.

Selected Reserve (SELRES) training is conducted by the Naval Air Reserve at each squadron site per current Commander, Naval Air Reserve Force (COMNAVAIRESFOR) instructions. The training is segmented and tailored for use by SELRES personnel during weekend drill periods and two-week active duty periods. If SELRES personnel and training quotas are available, COMNAVAIRESFOR must coordinate with appropriate quota controls to get training quotas at the appropriate FRS.

(1) Initial Training. Initial training for the GBU-24B/B was conducted in 1994. Initial training for the GBU-24E/B will be provided to Operational Test and Evaluation Force (OPTEVFOR) personnel by Raytheon training personnel prior to the commencement of OPEVAL, and will also be provided to Naval Air Maintenance Training Group (NAMTRAGRU) and Fleet Weapon School Instructors prior to IOC. One (1) GBU-24E/B course titled "GBU-24E/B, Hard Target Penetrator, Laser Guided Bomb Fleet Familiarization" and sixteen (16) Inert Ground Handling/Loading weapons (Load Drill Trainers (LDT)) will be provided for initial and follow-on training. Delivery of LDTs to various Navy and Marine Corps Weapon Schools, and F/A-18 loading schools will be completed prior to IOC. The GBU-24E/B Familiarization course will be delivered to the training sites at the same time that initial training is conducted at each site. This course material is to be used to update the current GBU-24 courseware at each training site, at the completion of initial training.

(2) Follow-on Training. Follow-on training for GBU-24E/B developed from the initial training package will be available as part of courses taught at the FRS, Strike Fighter Weapons School (SFWS) Atlantic and Pacific, Naval Strike and Air Warfare Center (NSAWC), and Naval Air Maintenance Training Group (NAMTRAGRU). The addition of GBU-24E/B data into the existing GBU-24 training courses will cause no change in student throughput or chargeable student billets. The addition of the GBU-24E/B data into the Precision Guided Weapons Intermediate Maintenance course (C-122-3113) will not increase the course length.

(a) Operator Training. Pilots, RIOs and WSOs are trained at the appropriate FRS for specific aircraft operation and weapons employment. Pilot, RIO, and WSO skills in tactics and ordnance delivery are further enhanced at the SFWS, NSAWC, and through squadron on-board proficiency training. Pilot and RIO/WSO personnel maintain their proficiency in the F-14 / F/A-18 aircraft through the use of simulators as well as in-aircraft flights. Aircraft Operational Flight Trainers (OFT), Part Task Trainers (PTT), Mission Trainers (MT), and Weapon Systems Trainers (WST) provide a cost effective method which allows aircrews to simulate flight conditions to develop team coordination, practice weapon delivery, and simulate emergency procedures in a safe environment. In-aircraft flights allow aircrews to apply procedures practiced in the simulator in the actual flight environment. Actual in-aircraft

missions are used to practice air combat maneuvers and weapon delivery procedures. The following lists the applicable operator training courses. GBU-24E/B source material will be incorporated, and will cause no change in student throughput or chargeable student billets.

COURSE NUMBER	COURSE TITLE
D/E-2A-0601	F/A-18 Fleet Replacement Pilot Cat 1
D/E-2A-0602	F/A-18 Fleet Replacement Pilot (Attack) Cat 2
D/E-2A-0604	F/A-18 Fleet Replacement Pilot Cat 3A
D/E-2A-0606	F/A-18 Fleet Replacement Pilot Cat 4
None (USMC)	F/A-18D Fleet Replacement Pilot Category 1
None (USMC)	F/A-18D Fleet Replacement Pilot Category 2
None (USMC)	F/A-18D Fleet Replacement Pilot Category 3
None (USMC)	F/A-18D Fleet Replacement Pilot Category 4
None (USMC)	F/A-18D Weapon and Sensor Operator (WSO) Category 1
None (USMC)	F/A-18D Weapon and Sensor Operator (WSO) Category 2
None (USMC)	F/A-18D Weapon and Sensor Operator (WSO) Category 3
None (USMC)	F/A-18D Weapon and Sensor Operator (WSO) Category 4
D-2A-1601	F-14 Pilot Category 1
D-2A-1602	F-14 Pilot Category 2
D-2A-1603	F-14 Pilot Category 3
D-2A-1604	F-14 Pilot Category 4
D-2A-1631	F-14D Fleet Replacement Pilot Cat 1
D-2A-1634	F-14D Fleet Replacement Pilot Cat 2
D-2A-1637	F-14D Fleet Replacement Pilot Cat 3
D-2A-1640	F-14D Fleet Replacement Pilot Cat 4
D-2D-1601	F-14 Naval Flight Officer Category 1
D-2D-1602	F-14 Naval Flight Officer Category 2
D-2D-1603	F-14 Naval Flight Officer Category 3
D-2D-1604	F-14 Naval Flight Officer Category 4
D-2D-1631	F-14D Fleet Replacement NFO Category 1
D-2D-1634	F-14D Fleet Replacement NFO Category 2
D-2D-1637	F-14D Fleet Replacement NFO Category 3
D-2D-1640	F-14D Fleet Replacement NFO Category 4

(b) Organizational level Maintenance Training. Organizational level maintenance personnel are trained at the appropriate SFWS (LANT/PAC) for F/A-18 aircraft/weapon loading and maintenance. Weapon loading skills are further enhanced through on-board proficiency training. A new training concept for most aviation maintenance training has been established. This concept entails dividing C1 courses into separate initial and career training courses. Initial “C” School training is intended for students with a paygrade of E-4 and below. Career “C” School training is provided to personnel E-5 and above to enhance their skills and knowledge within their field. GBU-24 E/B will be taught in the following organizational-level maintenance training courses. Source material will be incorporated into these courses with minimal impact, and cause no change in student throughput or chargeable student billets. The Training Device (TD) that is required for organizational level weapons load training is the LDT.

COURSE NUMBER	COURSE TITLE
C-646-9973	F/A-18 Stores Management System (Initial) Organizational Maintenance
C-646-9974	F/A-18 Stores Management System (Career) Organizational Maintenance
D/E-646-0640	F/A-18 Conventional Weapons Loading
D/E-646-0647	F/A-18 Conventional Release System Test
C-646-9964	F-14 Conventional Weapons Release Checks and Loading
D-646-1647	F-14 Armament Systems (Initial) Organizational Maintenance
D-646-1641	F-14 Armament Systems (Career) Organizational Maintenance
D-646-1640	F-14D Armament Systems Career Organizational level Maintenance

(c) Intermediate-level Maintenance Training. Intermediate-level maintenance training is available for USN and USMC AOs through the appropriate Maintenance Training Unit (MTU) or Naval Aviation Maintenance Training Marine Unit (NAMTRA MARUNIT). Existing courses will be updated to include GBU-24E/B data and will not increase the course length. Fleet Aviation Specialized Training Group (FASO), Atlantic is organized with a Mobile Ordnance Training Team (MOTT) that provides hands-on training for Atlantic Fleet Navy squadrons and CV and CVN ships and shore activities in conventional weapons handling, safety, and stowage. Pacific Fleet MOTT is provided by Commander, Naval Air Force, Pacific Fleet (COMNAVAIRPAC) N85. Requests for MOTT training should be submitted to COMNAVAIRPAC (N85) for Pacific Fleet activities, and to Commander, Naval Air Force, Atlantic Fleet (COMNAVAIRLANT) N85 for Atlantic Fleet activities. The Training Device (TD) that is required for organizational level weapons load training support is the LDT.

Intermediate-level Maintenance courses

COURSE NUMBER	COURSE TITLE	RFT DATE
C-646-3113	Precision Guided Weapons	On-line
C-646-4108	Weapons Department General Aviation Ordnance Supervisor	On-line
C-646-4109	Weapons Department General Aviation Ordnance	On-line
C-646-3105	Aviation Ordnance Intermediate Maintenance Technician	On-line

Detailed information for Intermediate-level Maintenance course listed in following:

Title..... Precision Guided Weapons
CIN..... C-122-3113 (part of D/E-646-7007)
Model Manager MTU 4033, NAMTRAU, NAS North Island

Description.....	<p>This course provides introduction to LGB/PAVEWAY/GBU Series weapons including:</p> <ul style="list-style-type: none"> Basic theory Safety precautions Policies and procedures Technical publications Identification Inspection Assembly and disassembly Shipping and Storage Configuration Weapons reporting procedures <p>Upon completion, the student will have acquired sufficient knowledge of Paveway Series Guided Bomb Units/Laser Guided Bombs to perform, as an Ordnance Team Member in accordance with applicable Airborne Weapons Assembly Manual, while working in Bomb Assembly areas afloat and ashore.</p>
Locations	<p>MTU 4030, NAMTRAGRUDET, Naval station (NS) Mayport MTU 4032, NAMTRAU, NAS Norfolk MTU 4033, NAMTRAU, NAS North Island MTU 4035, NAMTRAU, NAS Whidbey Island</p>
Length.....	10 days
RFT date.....	Currently available
Skill identifier ..	AO 6801
TD/TTE	Refer to element IV.A.1 for Technical Training Equipment (TTE). Training Device (TD) is the LDT.
Prerequisite	AO (ClassA1) School or equivalent or designated striker
Title.....	Air Launched Weapons Ordnance Supervisor Course
CIN.....	C-646-4108 (part of D/E-646-7007)
Model Manager..	MTU 4032 NAMTRAU Norfolk

Description.....	<p>This course provides training to Ordnance supervisors including:</p> <ul style="list-style-type: none"> Introduction to Weapons Department Administration IRRS, Magazines and Armament/Weapons Support Equipment Air Launched Weapons Configurations and Equipment Introduction to Rockets, Cluster Bombs, and Mines Introduction to Rockets, Cluster Bombs, and Mines <p>Upon completion of this course, officers and senior enlisted personnel will have sufficient knowledge to perform as supervisors on a NAS, CV/CVN or Amphibious Weapons Department.</p>
Locations	<p>MTU 4030, NAMTRAGRUDET, NS Mayport MTU 4032, NAMTRAU, NAS Norfolk MTU 4033, NAMTRAU, NAS North Island MTU 4035, NAMTRAU, NAS Whidbey Island</p>
Length.....	17 Days
RFT date	Currently Available
Skill identifier ..	6801
TD/TTE	Refer to element IV.A.1 for Technical Training Equipment (TTE). Training Device (TD) is the LDT.
Prerequisite	AO (ClassA1) School or equivalent or designated striker
Title.....	Weapons Department General Aviation Ordnance
CIN.....	C-646-4109 (stand-alone course)
Model Manager	MTU 4033, NAMTRAU NAS North Island

Description..... This course provides training to the first tour Aviation Ordnanceman, Gunner's Mates and Torpedoman's Mates including:
 Basic theory
 Procedures
 Safety precautions
 Receiving, transferring, and storage
 Technical publications
 Missile reporting procedures
 Assembly and disassembly of bombs and rockets
 Ammunition Magazines, Shoring, Stowage and Handling
 Equipment
 Introduction to Air Launched Weapons

Upon completion of this course, the Aviation Ordnanceman assigned to Shipboard, Shorebased, and Shore Combatant Weapons Departments as conventional weapons handlers, will have the sufficient knowledge and skills to perform general weapons duties in accordance with applicable publications, while working under minimum supervision in a shipboard or shore environment.

Locations MTU 4030, NAMTRAGRU DET, NS Mayport
 MTU 4032, NAMTRAU, NAS Norfolk
 MTU 4033, NAMTRAU, NAS North Island
 MTU 4035, NAMTRAU, NAS Whidbey Island

Length..... 10 days

RFT date Currently available

Skill identifier .. N/A

TD Refer to element IV.A.1 for Technical Training Equipment (TTE). (D) is the LDT.

Prerequisite AO (ClassA1) School or equivalent or designated striker

Title..... Aviation Ordnance Intermediate Maintenance Technician

CIN..... C-646-3105 (part of M-646-7026)

Model Manager MTU 4034 (NAMTRAGRU DET) MCAS Cherry Point, North Carolina

Description..... This course provides training to USMC ordnance personnel including:
 Basic theory
 Safety precautions
 Technical publications
 Missile/launcher reporting procedures
 Upon completion, the student will have sufficient knowledge to be able to work on ordnance and armament equipment in the MALS environment.

Locations MTU-4034, MCAS Cherry Point, North Carolina

Length..... 75 days

RFT date Currently available

Skill identifier .. MOS 6541

TD Refer to element IV.A.1 for Technical Training Equipment (TTE) Training Device (TD) is the LDT.

Prerequisite C-646-2011A Aviation Ordnanceman Common Core Class A1

(d) Explosive Ordnance Disposal Training. Explosive Ordnance Disposal (EOD) training is presently conducted by the Naval Explosive Ordnance Disposal School (NAVSCOLEOD) at Eglin Air Force Base (AFB), Fort Walton Beach, Florida. Advanced and specialized EOD training is provided by EOD Technical Evaluation Units (EODTEU) at Naval Amphibious Base (NAB) Little Creek, Virginia and NS San Diego, California. The following EOD courses will be modified to include GBU-24E/B data:

COURSE NUMBER	COURSE TITLE
A-431-0011	Explosive Ordnance Disposal (EOD) Phase II (Navy)
A-431-0012	Explosive Ordnance Disposal (EOD) Phase II
G-431-0001	(EOD) Pre-deployment Team Training

(e) Student Profiles. The following prerequisite skill and knowledge requirements must be completed prior to attending NEC 6801 and MOS 6541 training.

SKILL IDENTIFIER	PREREQUISITE SKILL AND KNOWLEDGE REQUIREMENTS
AO 6801	C-646-2011, Aviation Ordnanceman Class A1, and C-646-2012, Aviation Ordnance Navy Differences Training
MOS 6541	C-646-2011, Aviation Ordnanceman Class A1

The following lists the enlisted manpower and personnel classifications required that support GBU-24.

RATING and NEC or MOS	TITLE
AO 8341	F/A-18 Armament System Organizational Apprentice Maintenance Technician
AO 8342	F/A-18 System Organizational Maintenance Technician
AO 6531	Aircraft Ordnance Technician (F/A-18)
AO 6541	Aviation Ordnance Intermediate Maintenance Technician
AO 6801	Air Launched Weapons Technician
AO 8845	F-14 Armament Systems Initial Organizational level Maintenance
AO 8345	F-14 Armament Systems Career Organizational level Maintenance
AO 8335	F-14D Armament Systems Career Organizational level Maintenance

(f) Training Pipelines. The following training tracks apply and are available in the Office of Chief of Naval Operations (OPNAV) Aviation Training Management System (OATMS). The addition of GBU-24E/B data into the existing GBU-24 training courses will cause no change in student throughput or chargeable student billets. There are no new training pipelines required for the operation and maintenance of the GBU-24E/B.

TRACK NUMBER	TRACK TITLE
D/E-646-0641	F/A-18 Systems Organizational Maintenance Technician
D/E-646-7007	General Shipboard/NAS Weapons Department Aviation Ordnance Maintenance
M-646-7026	Aviation Ordnance Technician Intermediate Maintenance
D/E-646-0653	F/A-18 Armament Systems Organizational Maintenance

b. Training Devices and Technical Training Equipment (TD/TTE). The GBU-24 TD is the (inert) GBU-24B/B LDT and will be used only for load drill training, and weapons assembly and dis-assembly. The LDT is internally ballasted to the approximate weight and balance of the GBU-24B/B. The LDT's may be uploaded and downloaded on F-14 and F/A-18 aircraft, and handled on authorized equipment for training purposes but are not authorized for flight.

Practical Explosive Ordnance Disposal System Trainers (PEST) and Classroom Explosive Ordnance Disposal System Trainers (CEST) will be required for the EOD training facilities. The PEST is a full-scale model fabricated from actual hardware, having approximately the same weight and center of gravity as the tactical weapon. The PEST is used for teaching render-safe procedures. CEST is an inert, cut-away model of the GBU-24, displaying locations and types of explosive and hazardous materials, initiators, igniters, and fuze, to facilitate instruction on the weapon. The PEST will be provided, and a GBU-24 series system will be provided to allow the EOD community to design and construct a CEST to meet specific classroom requirements.

I. ON-BOARD (IN-SERVICE) TRAINING

1. Proficiency or Other Training Organic to the New Development

a. Maintenance Training Improvement Program. Current planning is to adopt the Aviation Maintenance Training Continuum System (AMTCS) concepts to replace Maintenance Training Improvement Program (MTIP). AMTCS is scheduled to begin full implementation for fleet deployment in Fiscal Year (FY) 01.

b. Aviation Maintenance Training Continuum System. AMTCS will provide career path training to the Sailor or Marine from their initial service entry to the end of their military career. AMTCS concepts will provide an integrated system that will satisfy the training and administrative requirements of both the individual and the organization. The benefits will be manifested in the increased effectiveness of the technicians and the increased efficiencies of the management of the training business process. Where appropriate, capitalizing on technological advances and integrating systems and processes can provide the right amount of training at the right time, thus meeting the CNO's mandated "just-in-time" training approach.

Technology investments enable the development of several state-of-the-art training and administrative tools: Interactive Multimedia Instruction (IMI) for the technicians in the Fleet in the form of Interactive Courseware (ICW) with Computer Managed Instruction (CMI) and Computer Aided Instruction (CAI) for the schoolhouse.

Included in the AMTCS development effort is the Aviation Maintenance Training Continuum System - Software Module, which provides testing [Test and Evaluation], recording [Electronic Certification Qualification Records], and a Feedback system. The core functionality of these AMTCS tools are based and designed around the actual maintenance-related tasks the technicians perform, and the tasks are stored and maintained in a Master Task List data bank. These tools are procured and fielded with appropriate Commercial-Off-The-Shelf (COTS) hardware and software, i.e., Fleet Training Devices - Laptops, Personal Computers, Electronic Classrooms, Learning Resource Centers (LRC), operating software, and network software and hardware.

Upon receipt of direction from OPNAV (N789H), AMTCS concepts are to be implemented and the new tools integrated into the daily training environment of all participating aviation activities and supporting elements. AMTCS will serve as the standard training system for aviation maintenance training within the Navy and Marine Corps, and is planned to supersede the existing MTIP and Maintenance Training Management and Evaluation Program (MATMEP) programs.

c. Strike Fighter Training Program. NSAWC N7 (Topgun), SFWS Atlantic, and SFWS Pacific are developing post-FRS training at the squadron level for Navy Strike Fighter aircraft (F/A-18). This post-FRS training continuum is known as the Strike Fighter Training Program (SFTP) and is composed of three equally critical elements: the Strike Fighter Weapons and Tactics (SFWT) curricula, the Strike Fighter Tactics Instructor (SFTI), and the Strike Fighter Training System (SFTS). The SFWT curricula will be taught by each squadron's SFTI, who will be supported by the SFTS, a multimedia Computer-Based Training (CBT) system that will host CMI, CAI, CBT and ICW. Aircrew

weapons proficiency training will continue to be accomplished using existing methods: Academic, Simulator (e.g., Weapons Tactics Trainer/Weapons System Trainer), Captive Air Training Missile (CATM) and/or embedded aircraft simulation, and live missile shots supported by the Non-Combat Expenditure Allowance. However, capability ratings will be based upon performance rather than completion, i.e., it will not be based simply upon completing the training events, but upon how well they are completed. Training events will be measured using defined metrics, and collectively these events will be evaluated to determine actual combat readiness, quantitatively (objectively) rather than qualitatively (subjectively).

2. Personnel Qualification Standards. Not Applicable (NA)

3. Other Onboard In-Service Training Packages. Squadron loading teams will maintain their proficiency by participating in frequent upload and download training exercises.

a. Conventional Weapons Technical Proficiency Inspection. The Conventional Weapon Technical Proficiency Inspection (CWTPI) is a graded inspection administered by SFWS for the F/A-18 aircraft. The CWTPI covers all areas of conventional weapon load and release and control system checks. The inspection evaluates the squadron's ability to wire-check, upload and download conventional ordnance, use applicable publications, and place ordnance on its designated target. The squadron inspection is conducted annually, six months prior to deployment, or at the request of the squadron's Commanding Officer. A written examination is required by all personnel, including squadron aviators, directly involved in the inspection. A 72-hour time limit is granted for the completion of the entire evolution. The final grade is an average score derived from the written exams, ordnance loads, wire checks, and the aviator's proficiency to deliver weapons on target. Pre-inspection training is provided by the appropriate SFWS followed by the CWTPI. The CWTPI determines the need for further conventional weapons load training of squadron AO and Aviation Electronics Technician personnel at the appropriate school.

b. Marine Corps Onboard Training. The Marine Corps onboard training is based on the current series of Marine Corps Order (MCO) P4790.12, Individual Training Standards System and Marine Aviation Training Management Evaluation Program (MATMEP). This program is designed to meet Marine Corps, as well as Navy OPNAVINST 4790.2 (Series), maintenance training requirements. It is a performance-based, standardized, level-progressive, documentable, training management and evaluation program. It identifies and prioritizes task inventories by MOS through a front-end analysis process that identifies task, skill, and knowledge requirements of each MOS. MTIP questions coupled to MATMEP tasks will help identify training deficiencies that can be addressed with remedial training. (MATMEP, is planned to be replaced by AMTCS)

USMC activities are scheduled yearly for Marine Corps Combat Readiness Evaluation by Headquarters, Marine Corps. Marine Corps activities participate in war exercises and are evaluated. Training is an ongoing Marine Corps evolution that culminates with the Combat Readiness Evaluation. The evaluation determines the need for further conventional weapons load training of squadron personnel.

c. United States Navy Explosive Safety Policies, Requirements, and Procedures. The United States Navy Explosive Safety Policies, Requirements, and Procedures (Department of the Navy Explosives Safety Policy) OPNAVINST 8020.14 (series), promulgates the Explosives Handling Personnel Qualification and Certification program. The Qualification and Certification program is designed to ensure that all Navy, Marine Corps, and civilians required to handle explosives or explosive devices are fully trained and qualified to perform all functions and tasks safety.

J. LOGISTICS SUPPORT

1. Manufacturer and Contract Numbers

CONTRACT NUMBER	MANUFACTURER	ADDRESS
F42630-96-C-0002	Raytheon Systems Company (RSC)	P.O. Box 11337 Tucson, AZ 85743-1337

2. Program Documentation. The Naval Air Systems Command published and distributed Integrated Logistics Support Plan (ILSP) Number WP-354 dated Mar 95.

3. Technical Data Plan. Navy technical manual requirements have been developed per the Technical Manual Contract Requirements (TMCR) 79-92 document as listed below.

Technical Manuals

TITLE	MANUAL NUMBER	DATE	USER LEVEL
F/A-18C/D Airborne Weapons Stores Loading Manual	A1-F18AE-LWS-000	Interim Change Sept 98	Organizational
F/A-18C/D Airborne Weapons Stores Loading Checklist (GBU-24)	A1-F18AE-LWS-660	Change 1 July 99	Organizational
F/A-18E/F Airborne Weapons Stores Loading Manual	A1-F18EA-LWS-000	1 August 1999	Organizational
F/A-18E/F Airborne Weapons Stores Loading Checklist (GBU-24)	A1-F18EA-LWS-660	TBD	Organizational
Support Equipment Configuration Manual	NAVAIR 11-140-25	Interim Change Mar 97	Organizational/ Intermediate
Intermediate Maintenance Weapons Support Facilities GBU-24 series	NAVAIR 11-5A-36	Change 1 Nov 99	Intermediate
Airborne Weapons Assembly Manual for GBU	NAVAIR 11-140-10	Apr 2000	Intermediate
Airborne Weapons Assembly Checklist for Paveway III, GBU	NAVAIR 140-10-2	Change 1 Mar 2000	Intermediate
Ships Weapons Installation Manual	NAVAIR 11-120-83	Feb 97	Intermediate

TITLE	MANUAL NUMBER	DATE	USER LEVEL
F-14 Airborne Weapons/Stores Loading Manual	NA 01-F14AAA-75	Change 2 Feb 2000	Organizational
F-14 Airborne Weapons/Stores Loading Checklist(GBU-24)	NA 01-F14AAA-75-34	March 2000	Organizational

4. Test Sets, Tools, and Test Equipment. The GBU-24 has a limited requirement for special tools, as listed below:

GBU-24 Series Special Tools

Nomenclature	Part Number/NSN	Usage
1-inch drive, 8-inch extension (Note)	5861	GBU-24 buildup
Actuator, Wing	2713536-1	Folding of wing assemblies
Adapter, ratchet, (Note)	L673A, A-A-2173 GGG-W-641	GBU-24 buildup
Adapter, wrench, 3 Finger Socket (Note)	824449-3	Install/remove retainer bolt, GBU-24B/B
Pocket Level and Plumb, Torpedo (Note)	5210-00-516-3356	Align GCU gyro, GBU-24B/B
Retainer Wrench (Fuze) (Note)	923AS219-2	Install/remove fuze mounting retainer
Retainer Wrench (Initiator) (Note)	923AS328	Install/remove initiator retaining ring
Straight Shaft Tool	Local Manufacture	Remove adapter spacer / retainer flange, GBU-24E/B
Wrench, Torque, 000-1000 foot-lbs. TQ (Note)	1003A AA-24115120-00-555-1521	GBU-24 buildup
Wrench, Torque, 000-300 inch-lbs.	TE 25A A-A-2411	GBU-24 buildup
Wrench, Torque, 000-150 inch-lbs.	TE 12A	GBU-24 buildup
Wrench, Torque, 000-600 inch-lbs.	TE 50A	GBU-24 buildup

NOTE: Item part of GBU Tool Set, 787AS709.

5. Depot Level Maintenance. All depot level maintenance on GBU-24 series weapons, with the exception of the BLU-109 bomb body, is currently provided by RCS, Tucson, Arizona. At a future date, depot level maintenance will be provided at a Government facility to be determined.

6. Repair Parts. Repair parts lists are located in NA 11-140-10 and NA 11-5A-36 manuals.

7. Human Systems Integration. NA

K. SCHEDULES

1. Schedule of Events

a. Installation/Delivery Schedule. To Be Determined (TBD) for the GBU-24E/B.

b. Ready for Operational Use Schedule. To ensure all activities are Ready for Operational Use (RFOU) with GBU-24E/B, all training activities will receive initial training prior to IOC and provide training to fleet activities deploying with the GBU-24E/B.

c. Time Required to Install at Operational Sites. NA

d. Foreign Military Sales and Other Source Delivery Schedule. FMS procurement is anticipated after OPEVAL. The USAF is the executive service for the GBU-24 and is responsible for FMS activities.

e. Training Device and Technical Training Equipment Delivery Schedule. LDTs have been positioned at all training sites. Element IV.A.2 of this NTSP contains information on locations of Training Devices, including GBU-24E/B trainer kit upgrade information. PEST and CEST are TBD. Current asset status and location can be obtained from the Conventional Ammunition Integrated Management System (CAIMS).

L. GOVERNMENT FURNISHED EQUIPMENT AND CONTRACTOR FURNISHED EQUIPMENT TRAINING REQUIREMENTS. NA

M. RELATED NTSPs AND OTHER APPLICABLE DOCUMENTS

DOCUMENT TITLE	DOCUMENT NUMBER	PDA CODE	STATUS
F/A-18 Weapon System NTSP	A-50-7703G/A	PMA265	Approved Nov 97
F-14 Weapon System NTSP	N88-NTSP-A-50-8511B/A	PMA-241	Approved Mar 00
Integrated Logistic Support Plan (ILSP)	WP-354	AIR-3.1.1	Approved Mar 95

PART II - BILLET AND PERSONNEL REQUIREMENTS

The following elements are not affected by the GBU-24 LLLGB, HTP and therefore are not included in Part II of this NTSP:

II.B. Personnel Requirements

11.B.3. Foreign, Other Service, and Non-Military Personnel Annual Training Input Requirement

NOTE 1: This section of the GBU-24 Series LLLGB, HTP NTSP reflects maintenance billet and personnel requirements for the GBU-24. It is a compilation of six organizational and two intermediate level NECs (AO 8341, 8342, and 8842 (F/A-18), 8335, 8345, and 8845 (F-14) and AO 6801, and 6802, respectively) and one organizational and one intermediate level MOS (6531 and 6541, respectively) with associated billets. The addition of the GBU-24 to the organizational and intermediate level workloads is only a small percentage of the required workload for those NECs and MOS. The NECs and MOS are not dedicated to the GBU-24 and, therefore, the overall training throughput for the NEC and MOS will remain the same, i.e., account for the total NEC/MOS community, and not just activities receiving GBU-24.

NOTE 2: All billets identified in this section are programmed through other NTSPs, e.g., F-14 / F/A-18 NTSP, applicable CV/CVN Class Total Ship NTSP, or applicable Shore Activity Manning Documents. The activities and associated billets are listed to assist the weapons training community in identifying and managing training requirements throughout the development, production and deployment of the GBU-24E/B.

BILLET AND PERSONNEL REQUIREMENTS

II.A. BILLET REQUIREMENTS

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: USN: Total Force Manpower Management System, TFMMS **DATE:** 5/1/01
 USMC: Extracted from Table of Manpower Requirements, TFS MCCDC **DATE:** 5/1/01

ACTIVITY, UIC	PFYs	CFY02	FY03	FY04	FY05	FY06
OPERATIONAL ACTIVITIES - USMC						
HMH 772 CH-53E	09490	1	0	0	0	0
HMH CH-53E (East Coast)	00000	2	0	0	0	0
HMLA 773	09431	1	0	0	0	0
HMLA 773 DET	00000	1	0	0	0	0
HMLA 775 DET A	09415	1	0	0	0	0
HMLA AH-1/9 UH-1 (East Coast)	00000	2	0	0	0	0
HMM 774 CH-46	09430	1	0	0	0	0
HMM CH-46E (East Coast)	00000	5	0	0	0	0
VMA AV-8B (East Coast)	00000	3	0	0	0	0
VMAQ EA-6B (East Coast)	00000	4	0	0	0	0
VMFA 321	67235	1	0	0	0	0
VMFA F/A18 (East Coast)	00000	4	0	0	0	0
VMFA(AW) F/A 18 (East Coast)	00000	3	0	0	0	0
VMFA-142	67243	1	0	0	0	0
VMM MV-22A	00000	1	0	0	0	0
HMH 769 CH-53E	09487	1	0	0	0	0
HMH CH-53D (West Coast)	00000	3	0	0	0	0
HMH CH-53E (West Coast)	00000	4	0	0	0	0
HMLA 775	55257	1	0	0	0	0
HMLA AH-1/9 UH-1 (West Coast)	00000	4	0	0	0	0
HMM 764 CH-46	09402	1	0	0	0	0
HMM CH-46E (West Coast)	00000	8	0	0	0	0
MALS 41 (FW)	03007	1	0	0	0	0
VMA AV-8B (West Coast)	00000	4	0	0	0	0
VMFA 112	08954	1	0	0	0	0
VMFA 134	09365	1	0	0	0	0
VMFA F/A18 (West Coast)	00000	4	0	0	0	0
VMFA(AW) F/A18 (west Coast)	00000	3	0	0	0	0
TOTAL:		67	0	0	0	0
FLEET SUPPORT ACTIVITIES - NAVY						
AIROPS/NAVOSH PM BRUNSWICK ME	3193B	1	0	0	0	0
AMTGD MAYPORT	66069	1	0	0	0	0
ATG NORFOLK	30733	1	0	0	0	0
AVORD MTT NORVA	48764	1	0	0	0	0
COMNAVAIRLANT	57012	1	0	0	0	0
CSFWLD BEAUFORT	3006A	1	0	0	0	0
LANTORDDDET	31279	1	0	0	0	0
NAF MILDENHALL	57032	1	0	0	0	0
NAMTRAU NORFOLK	66046	1	0	0	0	0
NAS KEFLAVIK ICELAND	63032	1	0	0	0	0
Naval Ordnance Center, Indian Head , MD	68963	1	0	0	0	0

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: USN: Total Force Manpower Management System, TFMMS

DATE: 5/1/01

USMC: Extracted from Table of Manpower Requirements, TFS MCCDC

DATE: 5/1/01

ACTIVITY, UIC		PFYs	CFY02	FY03	FY04	FY05	FY06
NAVSTKAIR TS	39783	1	0	0	0	0	0
NWS Charleston, SC	00193	1	0	0	0	0	0
USS BATAAN LHD 5	21879	1	0	0	0	0	0
USS EISENHOWER CVN 69	03369	1	0	0	0	0	0
USS ENTERPRISE CVN 65	03365	1	0	0	0	0	0
USS GEORGE WASHINGTON CVN 73	21412	1	0	0	0	0	0
USS HARRY S. TRUMAN CVN 75	21853	1	0	0	0	0	0
USS IWO JIMA LHD 7	23027	1	0	0	0	0	0
USS JOHN F. KENNEDY CV 76	03367	1	0	0	0	0	0
USS KEARSARGE LHD 3	21700	1	0	0	0	0	0
USS NASSAU LHA 4	20725	1	0	0	0	0	0
USS RONALD REAGAN CVN-76	22178	0	1	0	0	0	0
USS ROOSEVELT CVN 71	21247	1	0	0	0	0	0
USS SAIPAN LHA 2	20632	1	0	0	0	0	0
USS WASP LHD 1	21560	1	0	0	0	0	0
VFA 106		1	0	0	0	0	0
USS CONSTELLATION CV64	03364	1	0	0	0	0	0
CNATRA CAU KVTX	49149	1	0	0	0	0	0
NAF EL CENTRO	60042	1	0	0	0	0	0
NAIRWPMMAINTUN 1	52821	1	0	0	0	0	0
NAMTRAU NORTH ISLAND	66065	1	0	0	0	0	0
NAMTRAU WHIDBEY	66058	1	0	0	0	0	0
NAS LEMOORE	63126	1	0	0	0	0	0
NAVBASE VC POINT MUGU	69232	1	0	0	0	0	0
NAWCWD (NWCW)	63126	1	0	0	0	0	0
NSUPFAC DIEGO GARCI	68539	1	0	0	0	0	0
USS B RICHARD LHD 6	22202	1	0	0	0	0	0
USS BELLA WOOD LHA 3	20633	1	0	0	0	0	0
USS BOXER LHD 4	21808	1	0	0	0	0	0
USS CARL VINSON CVN 70	20993	1	0	0	0	0	0
USS ESSEX LHD 2	21533	1	0	0	0	0	0
USS JOH C. STENNIS CVN 74	21847	1	0	0	0	0	0
USS KITTY HAWK CV63	03363	1	0	0	0	0	0
USS LINCOLN CVN 72	21297	1	0	0	0	0	0
USS NIMITZ CVN 68	03368	1	0	0	0	0	0
USS PELELIU LHA 5	20748	1	0	0	0	0	0
USS TAAWA LHA 1	20550	1	0	0	0	0	0
VAQ 129	83896	1	0	0	0	0	0
VFA 125	53971	1	0	0	0	0	0
TOTAL:		49	1	0	0	0	0
FLEET SUPPORT ACTIVITIES - USMC							
BLOUT ISLAND COMMAND	38450	1	0	0	0	0	0
FW MALS (East Coast)	00000	2	0	0	0	0	0
H&HS MCAS BEAUFORT SC	02031	1	0	0	0	0	0
H&HS MCAS CHERRY POINT NC	02002	1	0	0	0	0	0
H&HS MCAS NEW RIVER NC	02021	1	0	0	0	0	0

II.A.1.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY ACTIVATION SCHEDULE

SOURCE: USN: Total Force Manpower Management System, TFMMS

DATE: 5/1/01

USMC: Extracted from Table of Manpower Requirements, TFS MCCDC

DATE: 5/1/01

ACTIVITY, UIC		PFYs	CFY02	FY03	FY04	FY05	FY06
MALS 42 (RW)	09513	1	0	0	0	0	0
MALS 49 (RW)	55555	1	0	0	0	0	0
MALS-ROTARY WING (East Coast)	00000	2	0	0	0	0	0
MC PERS DEPT of NAVY NON-DEPT	00000	1	0	0	0	0	0
VMAT 203	45483	1	0	0	0	0	0
FT WORTH, SITE SUPPORT	00000	1	0	0	0	0	0
FW MALS (West Coast)	00000	3	0	0	0	0	0
H&HS FUTENMA JAPAN	02601	1	0	0	0	0	0
H&HS IWAKUNI JAPAN	02501	1	0	0	0	0	0
H&HS MCAS CAMP PENDLETON CA	02208	1	0	0	0	0	0
H&HS MCAS MIRAMAR CA	02201	1	0	0	0	0	0
H&HS MCAS YUMA AZ	02230	1	0	0	0	0	0
HMT 303	55176	1	0	0	0	0	0
MAD CHINA LAKE	06117	1	0	0	0	0	0
MALS-ROTARY WING (West Coast)	00000	3	0	0	0	0	0
MARINE AVIATION LOGISTICS SPT	02300	1	0	0	0	0	0
MAWTS 1 YUMA AZ	55167	1	0	0	0	0	0
MCAF KANEOHE BAY HAWAII	02303	1	0	0	0	0	0
MCAGCC 29 PALMS	67399	1	0	0	0	0	0
VMAT 101	09965	1	0	0	0	0	0
TOTAL:		31	0	0	0	0	0

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
OPERATIONAL ACTIVITIES - USMC					
HMH 772 CH-53E, 09490					
USMC	0	1	CPL	6541	
	0	1	LCPL	6541	
ACTIVITY	0	2			
HMH CH-53E (East Coast), 00000					
USMC	0	5	CPL	6541	
	0	1	LCPL	6541	
ACTIVITY	0	6			
HMLA 773, 09431					
USMC	0	2	CPL	6541	
	0	2	LCPL	6541	
AR	0	1	SGT	6541	
SMCR	0	2	CPL	6541	
	0	4	LCPL	6541	
	0	1	SGT	6541	
ACTIVITY	0	12			
HMLA 773 DET, 00000					
USMC	0	2	CPL	6541	
	0	2	LCPL	6541	
AR	0	1	SGT	6541	
SMCR	0	1	LCPL	6541	
ACTIVITY	0	6			
HMLA 775 DET A, 09415					
USMC	0	2	CPL	6541	
	0	2	LCPL	6541	
AR	0	1	SGT	6541	
SMCR	0	1	LCPL	6541	
ACTIVITY	0	6			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
HMLA AH-19 UH-1 (East Coast), 00000					
USMC	0	6	CPL	6541	
	0	9	LCPL	6541	
	0	3	SGT	6541	
ACTIVITY	0	18			
HMM 774 CH-46, 09430					
USMC	0	2	CPL	6541	
ACTIVITY	0	2			
HMM CH-46E (East Coast), 00000					
USMC	0	2	CPL	6541	
ACTIVITY	0	2			
VMA AV-8B (East Coast), 00000					
USMC	0	3	CPL	6541	
	0	7	LCPL	6541	
	0	2	SGT	6541	
ACTIVITY	0	12			
VMAQ EA-6B (East Coast), 00000					
USMC	0	1	CPL	6541	
ACTIVITY	0	1			
VMFA 321, 67235					
USMC	0	2	LCPL	6541	
	0	1	SGT	6541	
AR	0	1	SGT	6541	
	0	1	SSGT	6541	
SMCR	0	1	GYSGT	6541	
	0	4	LCPL	6541	
ACTIVITY	0	10			
VMFA F/A18 (East Coast), 00000					
USMC	0	1	GYSGT	6541	
	0	6	LCPL	6541	
	0	2	SGT	6541	
	0	1	SSGT	6541	

ACTIVITY

0 10

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMFA(AW) F/A 18 (East Coast), 00000					
USMC	0	1	CPL	6541	
	0	5	LCPL	6541	
	0	3	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY	0	11			
VMFA-142, 67243					
USMC	0	2	LCPL	6541	
	0	1	SGT	6541	
AR	0	1	SGT	6541	
	0	1	SSGT	6541	
SMCR	0	1	GYSGT	6541	
	0	4	LCPL	6541	
ACTIVITY	0	10			
VMM MV-22A, 00000					
USMC	0	2	CPL	6541	
ACTIVITY	0	2			
HMH 769 CH-53E, 09487					
USMC	0	1	CPL	6541	
AR	0	1	LCPL	6541	
ACTIVITY	0	2			
HMH CH-53D (West Coast), 00000					
USMC	0	2	CPL	6541	
ACTIVITY	0	2			
HMH CH-53E (West Coast), 00000					
USMC	0	5	CPL	6541	
	0	1	LCPL	6541	
ACTIVITY	0	6			
HMLA 775, 55257					
USMC	0	2	CPL	6541	
	0	2	LCPL	6541	

AR

0

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SGT

6541

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
SMCR	0	2	CPL	6541	
	0	4	LCPL	6541	
	0	1	SGT	6541	
ACTIVITY	0	12			
HMLA AH-1/9 UH-1 (West Coast), 00000					
USMC	0	6	CPL	6541	
	0	9	LCPL	6541	
	0	3	SGT	6541	
ACTIVITY	0	18			
HMM 764 CH-46, 09402					
USMC	0	2	CPL	6541	
ACTIVITY	0	2			
HMM CH-46E (West Coast), 00000					
USMC	0	2	CPL	6541	
ACTIVITY	0	2			
MALS 41 (FW), 03007					
USMC	0	1	CPL	6541	
	0	2	GYSGT	6541	
	0	1	LCPL	6541	
	0	1	SGT	6541	
AR	0	1	GYSGT	6541	
	0	1	SGT	6541	
	0	2	SSGT	6541	
SMCR	0	7	CPL	6541	
	0	2	GYSGT	6541	
	0	20	LCPL	6541	
	0	6	SGT	6541	
	0	4	SSGT	6541	
ACTIVITY	0	48			
VMA AV-8B (West Coast), 00000					
USMC	0	3	CPL	6541	
	0	7	LCPL	6541	
	0	2	SGT	6541	
ACTIVITY	0	12			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
VMFA 112, 08954					
USMC	0	2	LCPL	6541	
	0	1	SGT	6541	
AR	0	1	SGT	6541	
	0	1	SSGT	6541	
SMCR	0	1	GYSGT	6541	
	0	4	LCPL	6541	
ACTIVITY	0	10			
VMFA 134, 09365					
USMC	0	2	LCPL	6541	
	0	1	SGT	6541	
AR	0	1	SSGT	6541	
SMCR	0	1	GYSGT	6541	
	0	4	LCPL	6541	
	0	1	SGT	6541	
ACTIVITY	0	10			
VMFA F/A18 (West Coast), 00000					
USMC	0	1	GYSGT	6541	
	0	6	LCPL	6541	
	0	2	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY	0	10			
VMFA(AW) F/A18 (west Coast), 00000					
USMC	0	1	CPL	6541	
	0	5	LCPL	6541	
	0	3	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY	0	11			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
FLEET SUPPORT ACTIVITIES - NAVY					
AIROPS/NAVOSH PM BRUNSWICK ME, 3193B					
ACDU	0	2	AO1	6801	
	0	1	AO1	6801	0812
	0	3	AO2	6801	
	0	2	AO3	6801	
ACTIVITY	0	8			
AMTGD MAYPORT, 66069					
ACDU	0	2	AOC	6801	9502
	0	2	AO1	6801	9502
ACTIVITY	0	4			
ATG NORFOLK, 30733					
ACDU	0	2	AOC	6801	
ACTIVITY	0	2			
AVORD MTT NORVA, 48764					
ACDU	0	5	AO1	6801	
ACTIVITY	0	5			
COMNAVAIRLANT, 57012					
ACDU	0	2	AOC	6801	
ACTIVITY	0	2			
CSFWLD BEAUFORT, 3006A					
ACDU	0	1	AO1	6801	
	0	3	AO2	6801	
	0	3	AO3	6801	
ACTIVITY	0	7			
LANTORDDDET, 31279					
ACDU	0	1	AOC	6801	
	0	1	AO1	6801	
	0	8	AO2	6801	
	0	14	AO3	6801	
ACTIVITY	0	24			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAF MILDENHALL, 57032					
ACDU	0	1	AOC	6801	
ACTIVITY	0	1			
NAMTRAU NORFOLK, 66046					
ACDU	0	1	AOC	6801	9502
	0	3	AO1	6801	9502
ACTIVITY	0	4			
NAS KEFLAVIK ICELAND, 63032					
ACDU	0	1	AOC	6801	
	0	1	AOC	0812	6801
	0	1	AO2	6810	6801
	0	1	AO3	6801	
ACTIVITY	0	4			
Naval Ordnance Center, Indian Head , MD, 68963					
USMC	0	1	SSGT	6541	
ACTIVITY	0	1			
NAVSTKAIR TS, 39783					
ACDU	0	2	AO1	6801	
	0	1	AO2	6801	
	0	5	AO3	6801	
ACTIVITY	0	8			
NWS Charleston, SC, 00193					
USMC	0	2	CPL	6541	
	0	1	GYSGT	6541	
	0	2	SGT	6541	
ACTIVITY	0	5			
USS BATAAN LHD 5, 21879					
ACDU	0	2	AOC	6801	
	0	8	AO1	6801	
	0	2	AO2	6801	
ACTIVITY	0	12			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
USS EISENHOWER CVN 69, 03369					
ACDU	0	7	AOC	6801	
	0	23	AO1	6801	
	0	30	AO2	6801	
SELRES	0	4	AOC	6801	
	0	5	AO1	6801	
	0	4	AO2	6801	
ACTIVITY	0	73			
USS ENTERPRISE CVN 65, 03365					
ACDU	0	1	AOC	6801	
	0	9	AO1	6801	
ACTIVITY	0	10			
USS GEORGE WASHINGTON CVN 73, 21412					
ACDU	0	5	AOC	6801	
	0	20	AO1	6801	
	0	33	AO2	6801	
SELRES	0	3	AOC	6801	
	0	4	AO1	6801	
	0	3	AO2	6801	
ACTIVITY	0	68			
USS HARRY S. TRUMAN CVN 75, 21853					
ACDU	0	5	AOC	6801	
	0	21	AO1	6801	
	0	29	AO2	6801	
SELRES	0	3	AOC	6801	
	0	4	AO1	6801	
	0	3	AO2	6801	
USS HARRY S. TRUMAN CVN 75, 21853, FY04 Increment					
ACDU	0	4	AO2	6801	
ACTIVITY	0	69			
USS IWO JIMA LHD 7, 23027					
ACDU	0	2	AOC	6801	
	0	8	AO1	6801	
	0	2	AO2	6801	

ACTIVITY

0 12

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
USS JOHN F. KENNEDY CV 76, 03367					
ACDU	0	7	AOC	6801	
	0	25	AO1	6801	
	0	29	AO2	6801	
SELRES	0	2	AO1	6801	
	0	7	AO2	6801	
ACTIVITY	0	70			
USS KEARSARGE LHD 3, 21700					
ACDU	0	2	AOC	6801	
	0	8	AO1	6801	
	0	2	AO2	6801	
ACTIVITY	0	12			
USS NASSAU LHA 4, 20725					
ACDU	0	2	AOC	6801	
	0	10	AO1	6801	
	0	1	AO2	6801	
ACTIVITY	0	13			
USS RONALD REAGAN CVN-76, 22178, FY02 Increment					
ACDU	0	9	AOC	6801	
	0	29	AO1	6801	
	0	37	AO2	6801	
ACTIVITY	0	75			
USS ROOSEVELT CVN 71, 21247					
ACDU	0	5	AOC	6801	
	0	20	AO1	6801	
	0	33	AO2	6801	
SELRES	0	3	AOC	6801	
	0	4	AO1	6801	
	0	3	AO2	6801	
ACTIVITY	0	68			
USS SAIPAN LHA 2, 20632					
ACDU	0	2	AOC	6801	
	0	10	AO1	6801	
	0	1	AO2	6801	

ACTIVITY

0 13

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
USS WASP LHD 1, 21560					
ACDU	0	2	AOC	6801	
	0	8	AO1	6801	
	0	2	AO2	6801	
ACTIVITY	0	12			
VFA 106					
USMC	0	1	SGT	6541	
ACTIVITY	0	1			
USS CONSTELLATION CV64, 03364					
ACDU	0	6	AOC	6801	
	0	10	AO1	6801	
ACTIVITY	0	16			
CNATRA CAU KVTX, 49149					
ACDU	0	1	AO1	6801	9549
ACTIVITY	0	1			
NAF EL CENTRO, 60042					
ACDU	0	1	AOC	6801	
	0	1	AO1	6801	
	0	5	AO2	6801	
ACTIVITY	0	7			
NAIRWPMMAINTUN 1, 52821					
ACDU	0	1	AOC	6801	
	0	3	AO1	6801	
	0	12	AO2	6801	
	0	4	AO3	6801	
ACTIVITY	0	20			
NAMTRAU NORTH ISLAND, 66065					
ACDU	0	3	AO1	6801	9502
	0	2	AO2	6801	9502
ACTIVITY	0	5			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
NAMTRAU WHIDBEY, 66058					
ACDU	0	2	AOC	6801	9502
	0	3	AO1	6801	9502
ACTIVITY	0	5			
NAS LEMOORE, 63126					
ACDU	0	2	AO1	6801	
	0	1	AO2	6801	
	0	1	AO2	6801	0812
ACTIVITY	0	4			
NAVBASE VC POINT MUGU, 69232					
ACDU	0	4	AO1	6801	
	0	5	AO2	6801	
ACTIVITY	0	9			
NAWCWD (NWCF), 63126					
ACDU	0	1	AO1	6801	
ACTIVITY	0	1			
NSUPFAC DIEGO GARCI, 68539					
ACDU	0	1	AO1	6801	
	0	2	AO2	6801	
	0	2	AO3	6801	
ACTIVITY	0	5			
USS B RICHARD LHD 6, 22202					
ACDU	0	2	AOC	6801	
	0	8	AO1	6801	
	0	2	AO2	6801	
ACTIVITY	0	12			
USS BELLA WOOD LHA 3, 20633					
ACDU	0	2	AOC	6801	
	0	9	AO1	6801	
	0	1	AO2	6801	
ACTIVITY	0	12			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
USS BOXER LHD 4, 21808					
ACDU	0	2	AOC	6801	
	0	8	AO1	6801	
	0	2	AO2	6801	
ACTIVITY	0	12			
USS CARL VINSON CVN 70, 20993					
ACDU	0	8	AOC	6801	
	0	29	AO1	6801	
	0	36	AO2	6801	
ACTIVITY	0	73			
USS ESSEX LHD 2, 21533					
ACDU	0	2	AOC	6801	
	0	7	AO1	6801	
ACDU	0	2	AO2	6801	
ACTIVITY	0	11			
USS JOH C. STENNIS CVN 74, 21847					
ACDU	0	9	AOC	6801	
	0	29	AO1	6801	
	0	35	AO2	6801	
SELRES	0	2	AO2	6801	
ACTIVITY	0	75			
USS KITTY HAWK CV63, 03363					
ACDU	0	5	AOC	6801	
	0	25	AO1	6801	
	0	22	AO2	6801	
SELRES	0	1	AOC	6801	
	0	2	AO1	6801	
	0	2	AO2	6801	
USS KITTY HAWK CV63, 03363, FY03 Increment					
SELRES	0	1	AOC	6801	
	0	2	AO1	6801	
ACTIVITY	0	60			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
USS LINCOLN CVN 72, 21297					
ACDU	0	9	AOC	6801	
	0	29	AO1	6801	
	0	37	AO2	6801	
ACTIVITY	0	75			
USS NIMITZ CVN 68, 03368					
ACDU	0	9	AOC	6801	
	0	29	AO1	6801	
	0	37	AO2	6801	
ACTIVITY	0	75			
USS PELELIU LHA 5, 20748					
ACDU	0	2	AOC	6801	
	0	9	AO1	6801	
	0	1	AO2	6801	
ACTIVITY	0	12			
USS TAAWA LHA 1, 20550					
ACDU	0	2	AOC	6801	
	0	9	AO1	6801	
	0	1	AO2	6801	
ACTIVITY	0	12			
VAQ 129, 83896					
USMC	0	1	SGT	6541	
ACTIVITY	0	1			
VFA 125, 53971					
USMC	0	1	SGT	6541	
ACTIVITY	0	1			
FLEET SUPPORT ACTIVITIES - USMC					
BLOUT ISLAND COMMAND, 38450					
USMC	0	1	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY	0	2			

II.A.1.b. BILLETTS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
FW MALS (East Coast), 00000					
USMC	0	9	CPL	6541	
	0	4	GYSGT	6541	
	0	20	LCPL	6541	
	0	7	SGT	6541	
	0	4	SSGT	6541	
ACTIVITY	0	44			
H&HS MCAS BEAUFORT SC, 02031					
USMC	0	1	GYSGT	6541	
	0	1	LCPL	6541	
	0	1	SGT	6541	
	0	1	SGT	6541	9954
	0	1	SSGT	6541	
ACTIVITY	0	5			
H&HS MCAS CHERRY POINT NC, 02002					
USMC	0	4	CPL	6541	
	0	4	SGT	6541	
USMC	0	3	SSGT	6541	
ACTIVITY	0	11			
H&HS MCAS NEW RIVER NC, 02021					
USMC	0	1	CPL	6541	9954
	0	1	LCPL	6541	
	0	2	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY	0	5			
MALS 42 (RW), 09513					
USMC	0	1	LCPL	6541	
	0	1	SGT	6541	
AR	0	1	CPL	6541	
	0	1	GYSGT	6541	
	0	1	SSGT	6541	
SMCR	0	1	GYSGT	6541	
	0	3	LCPL	6541	
	0	2	SSGT	6541	
ACTIVITY	0	11			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
MALS 49 (RW), 55555					
USMC	0	1	LCPL	6541	
	0	1	SGT	6541	
	0	1	SSGT	6541	
AR	0	2	SSGT	6541	
SMCR	0	1	CPL	6541	
	0	2	GYSGT	6541	
	0	2	LCPL	6541	
ACTIVITY	0	10			
MALS-ROTARY WING (East Coast), 00000					
USMC	0	1	CPL	6541	
	0	2	GYSGT	6541	
	0	5	LCPL	6541	
	0	1	SGT	6541	
	0	3	SSGT	6541	
ACTIVITY	0	12			
MC PERS DEPT of NAVY NON-DEPT, 00000					
USMC	0	2	CPL	6541	
	0	7	GYSGT	6541	
	0	2	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY	0	13			
VMAT 203, 45483					
USMC	0	3	GYSGT	6541	
	0	1	LCPL	6541	
	0	20	SGT	6541	
	0	4	SSGT	6541	
ACTIVITY	0	28			
FT WORTH, SITE SUPPORT, 00000					
AR	0	1	GYSGT	6541	
	0	1	SGT	6541	
ACTIVITY	0	2			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
FW MALS (West Coast), 00000					
USMC	0	9	CPL	6541	
	0	4	GYSGT	6541	
	0	20	LCPL	6541	
	0	7	SGT	6541	
	0	4	SSGT	6541	
ACTIVITY	0	44			
H&HS FUTENMA JAPAN, 02601					
USMC	0	2	CPL	6541	
	0	1	GYSGT	6541	
	0	4	LCPL	6541	
	0	3	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY	0	12			
H&HS IWAKUNI JAPAN, 02501					
USMC	0	1	CPL	6541	
	0	1	LCPL	6541	
	0	3	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY	0	7			
H&HS MCAS CAMP PENDLETON CA, 02208					
USMC	0	2	CPL	6541	
	0	1	GYSGT	6541	
	0	1	LCPL	6541	
	0	1	SGT	6541	
	0	3	SSGT	6541	
ACTIVITY	0	8			
H&HS MCAS MIRAMAR CA, 02201					
USMC	0	1	CPL	6541	
	0	2	GYSGT	6541	
	0	1	LCPL	6541	
	0	2	SGT	6541	
	0	2	SSGT	6541	
ACTIVITY	0	8			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
H&HS MCAS YUMA AZ, 02230					
USMC	0	3	GYSGT	6541	
	0	1	LCPL	6541	
	0	1	SGT	6541	
	0	1	SSGT	6541	
	0	1	SSGT	6541	9954
ACTIVITY	0	7			
HMT 303, 55176					
USMC	0	3	LCPL	6541	
	0	3	SGT	6541	
ACTIVITY	0	6			
MAD CHINA LAKE, 06117					
USMC	0	1	GYSGT	6541	
	0	1	SSGT	6541	
ACTIVITY	0	2			
MALS-ROTARY WING (West Coast), 00000					
USMC	0	1	CPL	6541	
	0	2	GYSGT	6541	
	0	5	LCPL	6541	
	0	1	SGT	6541	
	0	3	SSGT	6541	
ACTIVITY	0	12			
MARINE AVIATION LOGISTICS SPT ELEMENT KANEOHE, 02300					
USMC	0	2	CPL	6541	
	0	1	GYSGT	6541	
	0	1	LCPL	6541	
	0	1	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY	0	6			
MAWTS 1 YUMA AZ, 55167					
USMC	0	1	GYSGT	6541	
	0	1	LCPL	6541	
ACTIVITY	0	2			

II.A.1.b. BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
MCAF KANEOHE BAY HAWAII, 02303					
USMC	0	4	LCPL	6541	
	0	2	SGT	6541	
	0	1	SSGT	6541	
ACTIVITY	0	7			
MCAGCC 29 PALMS, 67399					
USMC	0	3	LCPL	6541	
ACTIVITY	0	3			
VMAT 101, 09965					
USMC	0	3	CPL	6541	
	0	6	LCPL	6541	
ACTIVITY	0	9			

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY02		FY03		FY04		FY05		FY06	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
USMC OPERATIONAL ACTIVITIES - USMC													
CPL	6541		146		0		0		0		0		0
GYSGT	6541		10		0		0		0		0		0
LCPL	6541		205		0		0		0		0		0
SGT	6541		71		0		0		0		0		0
SSGT	6541		20		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - AR													
GYSGT	6541		1		0		0		0		0		0
LCPL	6541		1		0		0		0		0		0
SGT	6541		8		0		0		0		0		0
SSGT	6541		6		0		0		0		0		0
USMC OPERATIONAL ACTIVITIES - SMCR													
CPL	6541		11		0		0		0		0		0
GYSGT	6541		6		0		0		0		0		0
LCPL	6541		46		0		0		0		0		0
SGT	6541		9		0		0		0		0		0
SSGT	6541		4		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
AOC	6801		109		9		0		0		0		0
AOC	6801 9502		5		0		0		0		0		0
AOC	0812 6801		1		0		0		0		0		0
AO1	6801		394		29		0		0		0		0
AO1	6801 812		1		0		0		0		0		0
AO1	6801 9502		11		0		0		0		0		0
AO1	6801 9549		1		0		0		0		0		0
AO2	6801		380		37		0		4		0		0
AO2	6801 812		1		0		0		0		0		0
AO2	6801 9502		2		0		0		0		0		0
AO2	6810 6801		1		0		0		0		0		0
AO3	6801		31		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - SELRES													
AOC	6801		14		0		1		0		0		0
AO1	6801		21		0		2		0		0		0
AO2	6801		24		0		0		0		0		0
NAVY FLEET SUPPORT ACTIVITIES - USMC													
CPL	6541		2		0		0		0		0		0
GYSGT	6541		1		0		0		0		0		0
SGT	6541		5		0		0		0		0		0
SSGT	6541		1		0		0		0		0		0
USMC FLEET SUPPORT ACTIVITIES - USMC													

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY02		FY03		FY04		FY05		FY06	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
CPL	6541		67	0	0	0	0	0	0	0	0	0	0
CPL	6541 9954		1	0	0	0	0	0	0	0	0	0	0
GYSGT	6541		51	0	0	0	0	0	0	0	0	0	0
LCPL	6541		156	0	0	0	0	0	0	0	0	0	0
SGT	6541		88	0	0	0	0	0	0	0	0	0	0
SGT	6541 9954		1	0	0	0	0	0	0	0	0	0	0
SSGT	6541		61	0	0	0	0	0	0	0	0	0	0
SSGT	6541 9954		1	0	0	0	0	0	0	0	0	0	0
USMC FLEET SUPPORT ACTIVITIES - AR													
CPL	6541		1	0	0	0	0	0	0	0	0	0	0
GYSGT	6541		2	0	0	0	0	0	0	0	0	0	0
SGT	6541		1	0	0	0	0	0	0	0	0	0	0
SSGT	6541		3	0	0	0	0	0	0	0	0	0	0
USMC FLEET SUPPORT ACTIVITIES - SMCR													
CPL	6541		1	0	0	0	0	0	0	0	0	0	0
GYSGT	6541		3	0	0	0	0	0	0	0	0	0	0
LCPL	6541		5	0	0	0	0	0	0	0	0	0	0
SSGT	6541		2	0	0	0	0	0	0	0	0	0	0

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY02		FY03		FY04		FY05		FY06	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
SUMMARY TOTALS:													
USMC OPERATIONAL ACTIVITIES - USMC		452		0		0		0		0		0	
USMC OPERATIONAL ACTIVITIES - AR		16		0		0		0		0		0	
USMC OPERATIONAL ACTIVITIES - SMCR		76		0		0		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - ACDU		937		75		0		4		0		0	
NAVY FLEET SUPPORT ACTIVITIES - SELRES		59		0		3		0		0		0	
NAVY FLEET SUPPORT ACTIVITIES - USMC		9		0		0		0		0		0	
USMC FLEET SUPPORT ACTIVITIES - USMC		426		0		0		0		0		0	
USMC FLEET SUPPORT ACTIVITIES - AR		7		0		0		0		0		0	
USMC FLEET SUPPORT ACTIVITIES - SMCR		11		0		0		0		0		0	

II.A.1.c. TOTAL BILLETS REQUIRED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY02		FY03		FY04		FY05		FY06	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
GRAND TOTALS:													
NAVY - ACDU			937		75		0		4		0		0
NAVY - SELRES			59		0		3		0		0		0
NAVY - USMC			9		0		0		0		0		0
USMC - USMC			878		0		0		0		0		0
USMC - AR			23		0		0		0		0		0
USMC - SMCR			87		0		0		0		0		0

II.A.2.a. OPERATIONAL AND FLEET SUPPORT ACTIVITY DEACTIVATION SCHEDULE

SOURCE: USN: Total Force Manpower Management System, TFMMS

DATE: 5/1/01

USMC: Extracted from Table of Manpower Requirements, TFS MCCDC

DATE: 5/1/01

ACTIVITY, UIC		PFYs	CFY02	FY03	FY04	FY05	FY06
FLEET SUPPORT ACTIVITIES - NAVY							
USS CONSTELLATION CV64	03364	0	0	1	0	0	0
TOTAL:		0	0	1	0	0	0

II.A.2.b. BILLETS TO BE DELETED FOR OPERATIONAL AND FLEET SUPPORT ACTIVITIES

ACTIVITY, UIC, PHASING INCREMENT	BILLETS		DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS
	OFF	ENL			
FLEET SUPPORT ACTIVITIES - NAVY					
USS KITTY HAWK CV63, 03363, FY03 Increment					
ACDU	0	1	AOC	6801	
	0	2	AO1	6801	
ACTIVITY	0	3			

II.A.2.c. TOTAL BILLETS TO BE DELETED IN OPERATIONAL AND FLEET SUPPORT ACTIVITIES

DESIG/ RATING	PNEC/SNEC PMOS/SMOS	PFYs		CFY02		FY03		FY04		FY05		FY06	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
AOC	6801		11	0		-7		0		0			0
AO1	6801		35	0		-12		0		0			0
SUMMARY TOTALS:													
NAVY FLEET SUPPORT ACTIVITIES - ACDU													
			46	0		-19		0		0			0
GRAND TOTALS:													
NAVY - ACDU													
			46	0		-19		0		0			0

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

DESIG RATING	PNEC/SNEC PMOS/SMOS		PFYs		CFY02		FY03		FY04		FY05		FY06	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

TRAINING ACTIVITY, LOCATION, UIC: MTU-4030 NAMTRAGRU DET, 66069

INSTRUCTOR BILLETS

ACDU														
AOC	6801	9502	0	2	0	2	0	2	0	2	0	2	0	2
AO1	6801	9502	0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:			0	4	0	4	0	4	0	4	0	4	0	4

TRAINING ACTIVITY, LOCATION, UIC: MTU-4032 NAMTRAU Norfolk, 66046

INSTRUCTOR BILLETS

ACDU														
AOC	6801	9502	0	1	0	1	0	1	0	1	0	1	0	1
AO1	6801	9502	0	3	0	3	0	3	0	3	0	3	0	3
TOTAL:			0	4	0	4	0	4	0	4	0	4	0	4

TRAINING ACTIVITY, LOCATION, UIC: MTU-4033 NAMTRAU North Island, 66065

INSTRUCTOR BILLETS

ACDU														
AO1	6801	9502	0	2	0	2	0	2	0	2	0	2	0	2
AO2	6801	9502	0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:			0	4	0	4	0	4	0	4	0	4	0	4

TRAINING ACTIVITY, LOCATION, UIC: NAMTRA MARUNIT, MCAS Cherry Point, 45483

INSTRUCTOR BILLETS

USMC														
GYSGT	6541		0	0	0	0	0	0	0	0	0	0	0	0
SGT	6541		0	19	0	19	0	19	0	19	0	19	0	19
SSGT	6541		0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:			0	21	0	21	0	21	0	21	0	21	0	21

II.A.3. TRAINING ACTIVITIES INSTRUCTOR AND SUPPORT BILLET REQUIREMENTS

DESIG RATING	PNEC/SNEC PMOS/SMOS		PFYs		CFY02		FY03		FY04		FY05		FY06	
			OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL

TRAINING ACTIVITY, LOCATION, UIC: MTU-4035 NAMTRAU Whidbey Island, 66058

INSTRUCTOR BILLETS

ACDU														
AOC	6801	9502	0	1	0	1	0	1	0	1	0	1	0	1
AO1	6801	9502	0	2	0	2	0	2	0	2	0	2	0	2
TOTAL:			0	3	0	3	0	3	0	3	0	3	0	3

II.A.4. CHARGEABLE STUDENT BILLET REQUIREMENTS

ACTIVITY, LOCATION, UIC	USN/ USMC	PFYs		CFY02		FY03		FY04		FY05		FY06	
		OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL
MTU-4030 NAMTRAGRU DET, Mayport, 66069	NAVY		1.9	1.9		1.9		1.9		1.9		1.9	
MTU-4032 NAMTRAU Norfolk, 66046	NAVY		11.4	19.3		12.1		12.5		12.1		12.1	
NAMTRA MARUNIT, MCAS Cherry Point, 45483	USMC		47.7	47.7		47.7		47.7		47.7		47.7	
MTU-4033 NAMTRAU North Island, 66065	NAVY		8.0	8.0		7.9		7.4		7.4		7.4	
MTU-4035 NAMTRAU Whidbey Island, 66058	NAVY		3.6	3.6		3.6		3.6		3.6		3.6	
SUMMARY TOTALS:													
	NAVY		24.9	32.8		25.5		25.4		25.0		25.0	
	USMC		47.7	47.7		47.7		47.7		47.7		47.7	
GRAND TOTALS:													
			72.6	80.5		73.2		73.1		73.7		72.7	

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY02 +/- CUM	FY03 +/- CUM	FY04 +/- CUM	FY05 +/- CUM	FY06 +/- CUM
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a. OFFICER - USN

NA.

b. ENLISTED - USN

Fleet Support Billets ACDU and TAR

AOC	6801		109	9	118	-7	111	0	111	0	111	0	111
AOC	6801	9502	5	0	5	0	5	0	5	0	5	0	5
AOC	0812	6801	1	0	1	0	1	0	1	0	1	0	1
AO1	6801		394	29	423	-12	411	0	411	0	411	0	411
AO1	6801	812	1	0	1	0	1	0	1	0	1	0	1
AO1	6801	9502	11	0	11	0	11	0	11	0	11	0	11
AO1	6801	9549	1	0	1	0	1	0	1	0	1	0	1
AO2	6801		380	37	417	0	417	4	421	0	421	0	421
AO2	6801	812	1	0	1	0	1	0	1	0	1	0	1
AO2	6801	9502	2	0	2	0	2	0	2	0	2	0	2
AO2	6810	6801	1	0	1	0	1	0	1	0	1	0	1
AO3	6801		31	0	31	0	31	0	31	0	31	0	31

Staff Billets ACDU and TAR

AOC	6801	9502	4	0	4	0	4	0	4	0	4	0	4
AO1	6801	9502	9	0	9	0	9	0	9	0	9	0	9
AO2	6801	9502	2	0	2	0	2	0	2	0	2	0	2

Chargeable Student Billets ACDU and TAR

	25	8	33	-7	26	-1	25	0	25	0	25
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SELRES Billets

AOC	6801		14	0	14	1	15	0	15	0	15	0	15
AO1	6801		21	0	21	2	23	0	23	0	23	0	23
AO2	6801		24	0	24	0	24	0	24	0	24	0	24

TOTAL USN ENLISTED BILLETS:

Fleet Support			1036	-99	937	75	1012	-19	993	4	997	0	997
Staff			15	0	15	0	15	0	15	0	15	0	15
Chargeable Student			104	-79	25	8	33	-7	26	-1	25	0	25
SELRES			59	0	59	0	59	3	62	0	62	0	62

II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY02		FY03		FY04		FY05		FY06	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM

c. OFFICER - USMC

NA.

d. ENLISTED - USMC

Operational Billets USMC and AR

CPL	6541		146	0	146	0	146	0	146	0	146	0	146
GYSGT	6541		11	0	11	0	11	0	11	0	11	0	11
LCPL	6541		206	0	206	0	206	0	206	0	206	0	206
SGT	6541		79	0	79	0	79	0	79	0	79	0	79
SSGT	6541		26	0	26	0	26	0	26	0	26	0	26

Fleet Support Billets USMC and AR

CPL	6541		70	0	70	0	70	0	70	0	70	0	70
CPL	6541	9954	1	0	1	0	1	0	1	0	1	0	1
GYSGT	6541		54	0	54	0	54	0	54	0	54	0	54
LCPL	6541		156	0	156	0	156	0	156	0	156	0	156
SGT	6541		94	0	94	0	94	0	94	0	94	0	94
SGT	6541	9954	1	0	1	0	1	0	1	0	1	0	1
SSGT	6541		65	0	65	0	65	0	65	0	65	0	65
SSGT	6541	9954	1	0	1	0	1	0	1	0	1	0	1

Staff Billets USMC and AR

GYSGT	6541		0	0	0	0	0	0	0	0	0	0	0
SGT	6541		19	0	19	0	19	0	19	0	19	0	19
SSGT	6541		2	0	2	0	2	0	2	0	2	0	2

Chargeable Student Billets USMC and AR

			48	0	48	0	48	0	48	0	48	0	48
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SMCR Billets

CPL	6541		12	0	12	0	12	0	12	0	12	0	12
GYSGT	6541		9	0	9	0	9	0	9	0	9	0	9
LCPL	6541		51	0	51	0	51	0	51	0	51	0	51
SGT	6541		9	0	9	0	9	0	9	0	9	0	9
SSGT	6541		6	0	6	0	6	0	6	0	6	0	6

TOTAL USMC ENLISTED BILLETS:

Operational			468	0	468	0	468	0	468	0	468	0	468
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Fleet Support			442	0	442	0	442	0	442	0	442	0	442
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II.A.5. ANNUAL INCREMENTAL AND CUMULATIVE BILLETS

DESIG/ RATING	PNEC/ PMOS	SNEC/ SMOS	BILLET BASE	CFY02		FY03		FY04		FY05		FY06	
				+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM	+/-	CUM
Staff			21	0	21	0	21	0	21	0	21	0	21
Chargeable Student			48	0	48	0	48	0	48	0	48	0	48
SMCR			87	0	87	0	87	0	87	0	87	0	87

PART III - TRAINING REQUIREMENTS

The following elements are not affected by the GBU-24 LLLGB, HTP and, therefore, are not included in Part III of this NTSP:

III.A.1 Initial Training Requirements (GBU-24B/B)

NOTE: Initial training was completed in FY 94 for the GBU-24 B/B. Initial training for the GBU-24 E/B is required.

II.A.2 Follow-on Training

II.A.2.a. Planned Courses

II.A.2.b. Unique Courses

III.A.3 Existing Training Phased Out

PART III - TRAINING REQUIREMENTS

III.A. TRAINING COURSE REQUIREMENTS

III.A.2. FOLLOW-ON TRAINING

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: D-646-7007, General Shipboard/NAS Weapons Department AVORD Maintenance
TRAINING ACTIVITY: MTU-4030 NAMTRAU
LOCATION, UIC: Mayport, 66069

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	15		15		15		15		15	ATIR
	14		14		14		14		14	Output
	1.9		1.9		1.9		1.9		1.9	AOB
	1.9		1.9		1.9		1.9		1.9	Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
	0.1		0.1		0.1		0.1		0.1	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

TRAINING ACTIVITY: MTU-4032 NAMTRAU
LOCATION, UIC: Norfolk, 66046

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	89		151		95		98		95	ATIR
	136		86		88		86		86	Output
	19.3		12.1		12.5		12.1		12.1	AOB
	19.3		12.1		12.5		12.1		12.1	Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	4		4		4		4		4	ATIR
	4		4		4		4		4	Output
	0.5		0.5		0.5		0.5		0.5	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

III.A.2.a. EXISTING COURSES

CIN, COURSE TITLE: E-646-7007, General Shipboard /NAS Weapons Department Maintenance
TRAINING ACTIVITY: MTU-4033 NAMTRAU
LOCATION, UIC: North Island, 66065

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	73		72		68		68		68	ATIR
	66		65		61		61		61	Output
	8.0		7.9		7.4		7.4		7.4	AOB
	8.0		7.9		7.4		7.4		7.4	Chargeable

SOURCE: NAVY **STUDENT CATEGORY:** SELRES

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	1		1		1		1		1	ATIR
	1		1		1		1		1	Output
	0.1		0.1		0.1		0.1		0.1	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

TRAINING ACTIVITY: MTU-4035 NAMTRAU
LOCATION, UIC: Whidbey Island, 66058

SOURCE: NAVY **STUDENT CATEGORY:** ACDU - TAR

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	33		33		33		33		33	ATIR
	30		30		30		30		30	Output
	3.6		3.6		3.6		3.6		3.6	AOB
	3.6		3.6		3.6		3.6		3.6	Chargeable

CIN, COURSE TITLE: M-646-7026, Aircraft Ordnance Intermediate Maintenance
TRAINING ACTIVITY: NAMTRA MARUNIT
LOCATION, UIC: MCAS Cherry Point, 45483

SOURCE: USMC **STUDENT CATEGORY:** USMC - AR

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	226		226		226		226		226	ATIR
	226		226		226		226		226	Output
	47.7		47.7		47.7		47.7		47.7	AOB
	47.7		47.7		47.7		47.7		47.7	Chargeable

SOURCE: USMC **STUDENT CATEGORY:** SMCR

CFY02		FY03		FY04		FY05		FY06		
OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	OFF	ENL	
	9		9		9		9		9	ATIR
	9		9		9		9		9	Output
	1.9		1.9		1.9		1.9		1.9	AOB
	0.0		0.0		0.0		0.0		0.0	Chargeable

PART IV - TRAINING LOGISTICS SUPPORT REQUIREMENTS

The following elements are not affected by the GBU-24 LLLGB, HTP and therefore, are not included in Part IV of this NTSP.

IV.B.1. Training Services

IV.C. Facility Requirements

IV.C.1. Facility Requirements Summary (Space/Support) by Activity

IV.C.2. Facility Requirements Detailed by Activity and Course

IV.C.3. Facility Project Summary by Program

NOTE: No new or modified training facilities are required for the GBU-24.

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: MTU 4030 NAMTRAGRU DET
LOCATION, UIC: Mayport, 66069
CIN, COURSE TITLE: C-122-3113, Precision Guided Weapons Intermediate Maintenance

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
001	MHU-212/E Pallet		1	NA	GFE	On board
002	PA-60 Container		1	NA	GFE	On board
003	CNU-373/E Container		1	NA	GFE	On board
004	CNU-371/E Container		1	NA	GFE	On board
005	CNU-439A/E Container		1	NA	GFE	On board
006	GBU Tool Set 787AS709		1	NA	GFE	On board

TRAINING ACTIVITY: MTU 4032 NAMTRAU
LOCATION, UIC: Norfolk, 66046
CIN, COURSE TITLE: C-122-3113, Precision Guided Weapons Intermediate Maintenance

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
001	MHU-212/E Pallet		1	NA	GFE	On board
002	PA-60 Container		1	NA	GFE	On board
003	CNU-373/E Container		1	NA	GFE	On board
004	CNU-371/E Container		1	NA	GFE	On board
005	CNU-439A/E Container		1	NA	GFE	On board
006	GBU Tool Set 787AS709		1	NA	GFE	On board

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: MTU 4033 NAMTRAU
 LOCATION, UIC: North Island, 66065
 CIN, COURSE TITLE: C-122-3113, Precision Guided Weapons Intermediate Maintenance

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
001	MHU-212/E Pallet		1	NA	GFE	On board
002	PA-60 Container		1	NA	GFE	On board
003	CNU-373/E Container		1	NA	GFE	On board
004	CNU-371/E Container		1	NA	GFE	On board
005	CNU-439A/E Container		1	NA	GFE	On board
006	GBU Tool Set 787AS709		1	NA	GFE	On board

TRAINING ACTIVITY: MTU 4035 NAMTRAU
 LOCATION, UIC: Whidbey Island, 66058
 CIN, COURSE TITLE: C-122-3113, Precision Guided Weapons Intermediate Maintenance

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
001	MHU-212/E Pallet		1	NA	GFE	On board
002	PA-60 Container		1	NA	GFE	On board
003	CNU-373/E Container		1	NA	GFE	On board
004	CNU-371/E Container		1	NA	GFE	On board
005	CNU-439A/E Container		1	NA	GFE	On board
006	GBU Tool Set 787AS709		1	NA	GFE	On board

IV.A.1. TTE/GPTE/SPTE/ST/GPETE/SPETE

TRAINING ACTIVITY: NAMTRA MARUNIT
LOCATION, UIC: MCAS Cherry Point, 66047
CIN, COURSE TITLE: C-646-3105, Aviation Ordnance Intermediate Maintenance Technician

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
001	MHU-212/E Pallet		1	NA	GFE	On board
002	PA-60 Container		1	NA	GFE	On board
003	CNU-373/E Container		1	NA	GFE	On board
004	CNU-371/E Container		1	NA	GFE	On board
005	CNU-439A/E Container		1	NA	GFE	On board
006	GBU Tool Set 787AS709		1	NA	GFE	On board

TRAINING ACTIVITY: NAVSCOLEOD/NAVSCOLEOD DET
LOCATION, UIC: Eglin AFB, 46207
CIN, COURSE TITLE: A-431-0011 EOD Phase II Navy
A-431-0012 EOD Phase II Navy

<u>ITEM NUMBER</u>	<u>EQUIPMENT</u>	<u>TYPE OR RANGE OF REPAIR PARTS</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>GFE CFE</u>	<u>STATUS</u>
TTE						
001	MHU-212/E Pallet		1	NA	GFE	On board
002	PA-60 Container		1	NA	GFE	On board
003	CNU-373/E Container		1	NA	GFE	On board
004	CNU-371/E Container		1	NA	GFE	On board
005	CNU-439A/E Container		1	NA	GFE	On board
006	GBU Tool Set 787AS709		1	NA	GFE	On board

IV.A.2. TRAINING DEVICES

DEVICE: GBU-24 B/B Load Drill Trainer (LDT)						
DESCRIPTION OF DEVICE: LDT is a replica of the GBU-24, not currently flight-certified, ballasted to replicate the actual size, weight, and center of gravity of the tactical weapon.						
MANUFACTURER:						
CONTRACT NUMBER:						
TEE STATUS: NA						
TRAINING ACTIVITY LOCATION, UIC	QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED	
SFWS Atlantic NAS Oceana, 40784 LDT	1			On board	F-14 / F/A-18 Conventional Weapons Loading	
SFWS Pacific NAS Lemoore, 35185 LDT	1			On board	F/A-18 Conventional Weapons Loading	
MTU 4030 NAMTRAGRU DET Mayport, 66069 LDT	1			On board	C-646-3113 C-646-3118 C-646-4108 C-646-4109	
MTU 4032 NAMTRAU Norfolk, 66046 LDT	1			On board	C-646-3113 C-646-3118	
MTU 4033 NAMTRAU North Island, 66065 LDT	1			On board	C-646-3113 C-646-3118	
NAMTRA MARUNIT MCAS Cherry Point, 66047 LDT	1			On board	C-646-3105	
MTU 4035 NAMTRAU Whidbey Island, 66058 LDT	1			On board	C-646-3113 C-646-3118	
MCAS Beaufort, 09384 LDT	1			On board	F/A-18 Conventional Weapons Loading	
MCAS Iwakuni, 09377 LDT	1			On board	F/A-18 Conventional Weapons Loading	
MOTT Norfolk, 09810 LDT	1			On board	F-14 / F/A-18 Conventional Weapons Loading/ Buildup	
MTU Oceana, 66046 LDT	1			On board	C-646-1640 C-646-1641 C-646-1647	

IV.A.2. TRAINING DEVICES

Fwd Deployed CV/CVN (Japan)				Buildup/Load Training
LDT	1		On board	
CV/CVN LantFleet (Deployed)				Buildup/Load Training
LDT	1		On board	
CV/CVN LantFleet (Ready Alert)				Buildup/Load Training
LDT	1		On board	
CV/CVN PacFleet (Deployed)				Buildup/Load Training
LDT	1		On board	
CV/CVN PacFleet (Ready Alert)				Buildup/Load Training
LDT	1		On board	
TOTAL:	15			

DEVICE:	Practical/Classroom Ordnance Disposal System Trainer (PEST), (CEST)					
DESCRIPTION OF DEVICE:	The GBU-24 PEST is a full scale model of the GBU-24, having approximately the same weight and center of gravity as the tactical weapon. The PEST is used in the field for hands-on training and practice of rendering safe procedures. The CEST is a cutaway model for classroom training. The PEST has easily replaceable parts that are built into the weapon where EOD procedures indicate destructive type work for EOD training. Electrical parts not required for EOD procedures are identical in external configuration, weight, and center of gravity but are not functional.					
MANUFACTURER:						
CONTRACT NUMBER:						
TEE STATUS:	NA					
TRAINING ACTIVITY LOCATION, UIC	QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED	
NAVSCOLEOD/NAVSCOLEOD DET Eglin AFB, 46207	PEST 1 CEST 1			On board TBD	A-431-0011 A-431-0012	
TOTAL:	2					

DEVICE:	GBU-24E/B Trainer Kit					
DESCRIPTION OF DEVICE:	The GBU-24E/B trainer kit consist of the Guidance Control Unit (GCU) WGU-39A/B, the Airfoil Group BSU-84B/B, and the Adapter Group ADG-770A/B. The BSU-84B/B consists of the wing assembly, the forward adapter assembly that attaches the GCU to the warhead, and the four canards that are installed into the GCU control section. The Adapter Group ADG-770A/B consists of a hardback, two suspension lugs, lug sleeves, and an aft fairing. The GBU-24E/B trainer kit upgrades existing Load Drill Trainer (LDT) asset to a current physical representative of the tactical weapon. It is a training device to facilitate instruction and familiarization for transporting, handling, loading, and visual inspection procedures for organizational and intermediate level training purposes. The training device is not certified for flight and is designed for ground training use only.					
MANUFACTURER:	Raytheon					
CONTRACT NUMBER:						
TEE STATUS:	NA					
TRAINING ACTIVITY LOCATION	QUANT REQD	DATE REQD	RFT DATE	STATUS	COURSES SUPPORTED	
CV Fwd Deployed West Pacific	1	08/01	08/01	TBD	Loading/Handling	
CV/CVN LANTFLT Deployed Atlantic	1	08/01	08/01	TBD	Loading/Handling	
CV/CVN LANTFLT Ready Alert Atlantic	1	08/01	08/01	TBD	Loading/Handling	
CV/CVN PACFLT Deployed Pacific	1	08/01	08/01	TBD	Loading/Handling	
CV/CVN PACFLT Ready Alert Pacific	1	08/01	08/01	TBD	Loading/Handling	
MCAS Beaufort Station Ordnance MCAS Beaufort	1	08/01	08/01	TBD	Loading/Handling	
MCAS Iwakuni Station Ordnance MCAS Iwakuni	1	08/01	08/01	TBD	Loading/Handling	
MCAS Miramar Station Ordnance MCAS Miramar	1	08/01	08/01	TBD	Loading/Handling	
MOTT NAS Norfolk NAS Oceana	1	08/01	08/01	TBD	Loading/Handling	
NAMTRA MARUNIT MCAS Cherry Point	1	08/01	08/01	TBD	C-646-3105 Loading/Handling	
MTU 4030 NAMTRAGRU DET Mayport	1	08/01	08/01	TBD	C-122-3113 Loading/Handling	
MTU 4032 NAMTRAU Norfolk	1	08/01	08/01	TBD	C-122-3113 Loading/Handling	
MTU 4033 NAMTRAU North Island	1	08/01	08/01	TBD	C-122-3113 Loading/Handling	
MTU 4035 NAMTRAU Whidbey Island	1	08/01	08/01	TBD	C-122-3113 Loading/Handling	
SFWSPAC NAS Lemoore	1	08/01	08/01	TBD	Loading/Handling	
SFWSLANT NASOceana	1	08/01	08/01	TBD	Loading/Handling	
SST Mike Fries	1	08/01	08/01	TBD	Loading/Handling	
TOTAL:	17					

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: VF-101 LOCATION, UIC: NAS Oceana, 09067 CIN, COURSE TITLE: D-2A-1631, F-14B/D Fleet Replacement Pilot Cat 1 D-2A-1634, F-14B/D Fleet Replacement Pilot Cat 2 D-2A-1637, F-14B/D Fleet Replacement Pilot Cat 3 D-2A-1640, F-14B/D Fleet Replacement Pilot Cat 4			
<u>TYPE OF MATERIAL OR AID</u> GBU-24E/B Source Data	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
	1 Set	TBD	TBD
TRAINING ACTIVITY: VFA-106 LOCATION, UIC: NAS Oceana, 09679 CIN, COURSE TITLE: E-2A-1631, F/A-18 Fleet Replacement Pilot Cat 1 E-2A-1634, F/A-18 Fleet Replacement Pilot Cat 2A E-2A-1637, F/A-18 Fleet Replacement Pilot Cat 3A E-2A-1640, F/A-18 Fleet Replacement Pilot Cat 4			
<u>TYPE OF MATERIAL OR AID</u> GBU-24E/B Source Data	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
	1 Set	TBD	TBD
TRAINING ACTIVITY: VFA-122 LOCATION, UIC: NAS Lemoore, 09355 CIN, COURSE TITLE:			
<u>TYPE OF MATERIAL OR AID</u> GBU-24E/B Source Data	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
	1 Set	TBD	TBD
TRAINING ACTIVITY: VFA-125 LOCATION, UIC: NAS Lemoore, 09485 CIN, COURSE TITLE: E-2A-1631, F/A-18 Fleet Replacement Pilot Cat 1 E-2A-1634, F/A-18 Fleet Replacement Pilot Cat 2A E-2A-1637, F/A-18 Fleet Replacement Pilot Cat 3A E-2A-1640, F/A-18 Fleet Replacement Pilot Cat 4			
<u>TYPE OF MATERIAL OR AID</u> GBU-24E/B Source Data	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
	1 Set	TBD	TBD
TRAINING ACTIVITY: VMFAT-101 LOCATION, UIC: MCAS Miramar, 45526 CIN, COURSE TITLE: M13P4B3, F/A-18 Fleet Replacement Pilot Basic Training M13P3V3, F/A-18 Fleet Replacement Pilot Refresher M13P3W3, F/A-18 Fleet Replacement Pilot Modified Refresher M13P4B3, F/A-18 Fleet Replacement Pilot Basic Training M13P4C3, F/A-18 WSO Basic and Transition M13P3R3, F/A-18 WSO Refresher M13P3R3, F/A-18 WSO Modified Refresher			
<u>TYPE OF MATERIAL OR AID</u> GBU-24E/B Source Data	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
	1 Set	TBD	TBD

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY:	NSAWC N7 (Topgun)			
LOCATION, UIC:	NAS Fallon, 69190			
CIN, COURSE TITLE:	Strike Fighter Training Program (SFTP) Strike Fighter Tactics Instructor Strike Fighter Weapons and Tactics (SFWT) Curricula			
<u>TYPE OF MATERIAL OR AID</u>		<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
GBU-24E/B Source Data		1 Set	TBD	TBD
TRAINING ACTIVITY:	F/A-18 Squadrons (Navy)			
LOCATION, UIC:	See below			
CIN, COURSE TITLE:	GBU-24E/B Aircrew Training			
<u>TYPE OF MATERIAL OR AID</u>		<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
GBU-24 E/B Source Data				
VFA-22, NAS Lemoore, 09561		1 Set	TBD	TBD
VFA-25, NAS Lemoore, 09637		1 Set	TBD	TBD
VFA-94, NAS Lemoore, 09295		1 Set	TBD	TBD
VFA-97, NAS Lemoore, 63923		1 Set	TBD	TBD
VFA-113, NAS Lemoore, 09092		1 Set	TBD	TBD
VFA-115, NAS Lemoore, 09604		1 Set	TBD	TBD
VFA-137, NAS Lemoore, 09551		1 Set	TBD	TBD
VFA-146, NAS Lemoore, 09063		1 Set	TBD	TBD
VFA-147, NAS Lemoore, 63925		1 Set	TBD	TBD
VFA-151, NAS Lemoore, 09558		1 Set	TBD	TBD
VFA-27, NAS Yokosuka, 65185		1 Set	TBD	TBD
VFA-154, NAS Yokosuka, 09678		1 Set	TBD	TBD
VFA-192, NAS Yokosuka, 55179		1 Set	TBD	TBD
VFA-195, NAS Yokosuka, 09706		1 Set	TBD	TBD
VFA-127, NAS Fallon, 08956		1 Set	TBD	TBD
VFC-13(TAR), NAS Fallon, 52995		1 Set	TBD	TBD
VFA-15, NAS, Oceana, 09015		1 Set	TBD	TBD
VFA-34, NAS, Oceana, 09070		1 Set	TBD	TBD
VFA-37, NAS, Oceana, 09478		1 Set	TBD	TBD
VFA-81, NAS, Oceana, 09221		1 Set	TBD	TBD
VFA-82, NAS, Oceana, 09122		1 Set	TBD	TBD
VFA-83, NAS, Oceana, 09223		1 Set	TBD	TBD
VFA-86, NAS, Oceana, 09943		1 Set	TBD	TBD
VFA-87, NAS, Oceana, 63922		1 Set	TBD	TBD
VFA-105, NAS, Oceana, 65183		1 Set	TBD	TBD
VFA-131, NAS, Oceana, 63934		1 Set	TBD	TBD
VFA-136, NAS, Oceana, 55141		1 Set	TBD	TBD
VFC-12(TAR) , NAS, 52994		1 Set	TBD	TBD
VFA-203 (TAR) , NAS Atlanta, 09030		1 Set	TBD	TBD
VFA-204(TAR) , NAS JRB New Orleans, 09032,		1 Set	TBD	TBD
VX-1, NAS Patuxent River, 55600		1 Set	TBD	TBD
VX-9, NAWCWD China Lake, 55646		1 Set	TBD	TBD
VX-9 Det, NAWCWD Point Mugu, 09830		1 Set	TBD	TBD

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: F/A-18 Squadrons (Marine)
LOCATION, UIC: See below
CIN, COURSE TITLE: GBU-24E/B Aircrew Training

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
GBU-24 E/B Source Data			
VMFA-115, MCAS Beaufort, 09234	1 Set	TBD	TBD
VMFA-122, MCAS Beaufort, 09407	1 Set	TBD	TBD
VMFA-251, MCAS Beaufort, 09241	1 Set	TBD	TBD
VMFA-312, MCAS Beaufort, 09253	1 Set	TBD	TBD
VMFA (AW)-224, MCAS Beaufort, 01224	1 Set	TBD	TBD
VMFA (AW)-332, MCAS Beaufort, 09501	1 Set	TBD	TBD
VMFA (AW)-533, MCAS Beaufort, 09193	1 Set	TBD	TBD
VMFA-212, MCAS Miramar, 09434	1 Set	TBD	TBD
VMFA-232, MCAS Miramar, 09242	1 Set	TBD	TBD
VMFA-235, MCAS Miramar, 09237	1 Set	TBD	TBD
VMFA-314, MCAS Miramar, 09230	1 Set	TBD	TBD
VMFA-323, MCAS Miramar, 09235	1 Set	TBD	TBD
VMFA (AW)-121, MCAS Miramar, 09257	1 Set	TBD	TBD
VMFA (AW)-225, MCAS Miramar, 09232	1 Set	TBD	TBD
VMFA-112, (AR), JRB Ft. Worth, 08954	1 Set	TBD	TBD
VMFA-134, (AR), MCAS Miramar, 09365	1 Set	TBD	TBD
VMFA-142, (AR), NAS Jacksonville, 67243	1 Set	TBD	TBD
VMFA-321, (AR), Andrews AFB, 67235	1 Set	TBD	TBD

TRAINING ACTIVITY: F-14 Squadrons
LOCATION, UIC: See below
CIN, COURSE TITLE: GBU-24E/B Aircrew Training

<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
GBU-24 E/B Source Data			
VF-2, NAS Oceana, 09113	1 Set	TBD	TBD
VF-11, NAS Oceana, 09560	1 Set	TBD	TBD
VF-14, NAS Oceana, 09084	1 Set	TBD	TBD
VF-31, NAS Oceana, 09473	1 Set	TBD	TBD
VF-32, NAS Oceana, 09053	1 Set	TBD	TBD
VF-41, NAS Oceana, 09774	1 Set	TBD	TBD
VF-102, NAS Oceana, 09717	1 Set	TBD	TBD
VF-103, NAS Oceana, 09718	1 Set	TBD	TBD
VF-143, NAS Oceana, 09281	1 Set	TBD	TBD
VF-154, NAS Oceana, 09678	1 Set	TBD	TBD
VF-211, NAS Oceana, 09086	1 Set	TBD	TBD
VF-213, NAS Oceana, 09934	1 Set	TBD	TBD

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: NATTC AO "A" School LOCATION, UIC: NAS Pensacola, 63082 CIN, COURSE TITLE: C-646-2011, Aviation Ordnance Common Core Class A1 C-646-2012, Aviation Ordnance Airwing Strand Class A1				
<u>TYPE OF MATERIAL OR AID</u> GBU-24E/B Source Data		<u>QUANT REQD</u> 1 Set	<u>DATE REQD</u> TBD	<u>STATUS</u> TBD
TRAINING ACTIVITY: SFWS Pacific LOCATION, UIC: NAS Lemoore, 35185 CIN, COURSE TITLE: Load Training				
<u>TYPE OF MATERIAL OR AID</u> GBU-24E/B Source Data		<u>QUANT REQD</u> 1 Set	<u>DATE REQD</u> TBD	<u>STATUS</u> TBD
TRAINING ACTIVITY: SFWS Atlantic LOCATION, UIC: NAS Oceana, 40784 CIN, COURSE TITLE: Load Training				
<u>TYPE OF MATERIAL OR AID</u> GBU-24E/B Source Data		<u>QUANT REQD</u> 1 Set	<u>DATE REQD</u> TBD	<u>STATUS</u> TBD
TRAINING ACTIVITY: MTU 4030 NAMTRAGRU DET LOCATION, UIC: Mayport 66069 CIN, COURSE TITLE: C-122-3113, Precision Guided Weapons Intermediate Maintenance				
<u>TYPE OF MATERIAL OR AID</u> GBU-24E/B Source Data		<u>QUANT REQD</u> 1 Set	<u>DATE REQD</u> TBD	<u>STATUS</u> TBD
TRAINING ACTIVITY: MTU 4032 NAMTRAU LOCATION, UIC: Norfolk, 66046 CIN, COURSE TITLE: C-122-3113, Precision Guided Weapons Intermediate Maintenance				
<u>TYPE OF MATERIAL OR AID</u> GBU-24E/B Source Data		<u>QUANT REQD</u> 1 Set	<u>DATE REQD</u> TBD	<u>STATUS</u> TBD
TRAINING ACTIVITY: MTU 4033 NAMTRAU LOCATION, UIC: North Island, 66065 CIN, COURSE TITLE: C-122-3113, Precision Guided Weapons Intermediate Maintenance				
<u>TYPE OF MATERIAL OR AID</u> GBU-24E/B Source Data		<u>QUANT REQD</u> 1 Set	<u>DATE REQD</u> TBD	<u>STATUS</u> TBD

IV.B.2. CURRICULA MATERIALS AND TRAINING AIDS

TRAINING ACTIVITY: MTU 4035 NAMTRAU LOCATION, UIC: Whidbey Island, 66058 CIN, COURSE TITLE: C-122-3113, Precision Guided Weapons Intermediate Maintenance			
<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
GBU-24E/B Source Data	1 Set	TBD	TBD
TRAINING ACTIVITY: MTU 4034 NAMTRAU LOCATION, UIC: MCAS Cherry Point, 66047 CIN, COURSE TITLE: C-646-3105, Aviation Ordnance Intermediate Maintenance Technician			
<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
GBU-24E/B Source Data	1 Set	TBD	TBD
TRAINING ACTIVITY: NAVSCOLEOD/NAVSCOLEOD DET LOCATION, UIC: Eglin AFB, 46207 CIN, COURSE TITLE: A-431-0011, EOD Phase II (Navy) A-431-0012, EOD Phase II			
<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
GBU-24E/B Source Data	1 Set	TBD	TBD
TRAINING ACTIVITY: EODTEU ONE LOCATION, UIC: NS San Diego 66065 CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training			
<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
GBU-24E/B Source Data	1 Set	TBD	TBD
TRAINING ACTIVITY: EODTEU TWO LOCATION, UIC: NAB Little Creek CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training			
<u>TYPE OF MATERIAL OR AID</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
GBU-24E/B Source Data	1 Set	TBD	TBD

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY:	VF-101			
LOCATION, UIC:	NAS Oceana, 09067			
CIN, COURSE TITLE:	D-2A-1631, Replacement Pilot Cat 1 D-2A-1634 Fleet Replacement Pilot Cat 2 D-2A-1637, Replacement Pilot Cat 3 D-2A-1640, Replacement Pilot Cat 4			
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Navy Model NATOPS Manual NAVAIR 01-F14AAD-1A	Hard Copy	6		On board
NATOPS Pocket Checklist, NAVAIR 01-F14AAD-1B	Hard Copy	6		On board
Tactical Manual, F-14 Aircraft, Volume I NAVAIR 01-F14AAD-1T	Hard Copy	6		On board
Tactical Manual, F-14 Aircraft, Volume II NAVAIR 01-F14AAD-1TA	Hard Copy	6		On board
TRAINING ACTIVITY:	VFA-125			
LOCATION, UIC:	NAS Lemoore, 09485			
CIN, COURSE TITLE:	E-2A-0601, F/A-18 Fleet Replacement Pilot Cat 1 E-2A-0602, F/A-18 Fleet Replacement Pilot Cat 2A E-2A-0604, F/A-18 Fleet Replacement Pilot Cat 3A E-2A-0606, F/A-18 Fleet Replacement Pilot Cat 4			
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F/A-18C/D, AT-F18AC-NFM-000	Hard Copy	6		On board
NATOPS Pocket Checklist, At-F18AC-NFM-500	Hard Copy	6		On board
Tactical Manual, AI -F18AE-TAC-000	Hard Copy	6		On board
Tactical Manual Pocket Guide, AI -F18AC-TAC-300	Hard Copy	6		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: VFA-122 LOCATION, UIC: NAS Lemoore, 09355 CIN, COURSE TITLE:				
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
TBD	TBD	TBD		TBD
TRAINING ACTIVITY: SFWS Atlantic LOCATION, UIC: NAS Oceana, 60191 CIN, COURSE TITLE: SFARP SFWE				
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F/A-18C/D, A1-F18AC-NFM-000	Hard Copy	6		On board
NATOPS Pocket Checklist, At-F18AC-NFM-500	Hard Copy	6		On board
Tactical Manual, AI -F18AE-TAC-000	Hard Copy	6		On board
Tactical Manual Pocket Guide, AI -F18AC-TAC-300	Hard Copy	6		On board
NATOPS Navy Model NATOPS Manual NAVAIR 01-F14AAD-1A	Hard Copy	6		On board
NATOPS Pocket Checklist, NAVAIR 01-F14AAD-1B	Hard Copy	6		On board
Tactical Manual, F-14 Aircraft, Volume I NAVAIR 01-F14AAD-1T	Hard Copy	6		On board
Tactical Manual, F-14 Aircraft, Volume li NAVAIR 01-F14AAD-1TA	Hard Copy	6		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: SFWS Pacific				
LOCATION, UIC: NAS Lemoore, 35185				
CIN, COURSE TITLE: SFARP				
SFWE				
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F/A-18C/D, A1-F18AC-NFM-000	Hard Copy	6		On board
NATOPS Pocket Checklist, At-F18AC-NFM-500	Hard Copy	6		On board
Tactical Manual, AI -F18AE-TAC-000	Hard Copy	6		On board
Tactical Manual Pocket Guide, AI -F18AC-TAC-300	Hard Copy	6		On board
TRAINING ACTIVITY: VMFAT-101				
LOCATION, UIC: MCAS Miramar, 45526				
CIN, COURSE TITLE: M13P4B3, F/A-18 Fleet Replacement Pilot Basic and Transition				
M13P3V3, F/A-18 Fleet Replacement Pilot Refresher				
M13P3W3, F/A-18 Fleet Replacement Pilot Modified Refresher				
M13P4C3, F/A-18 WSO Basic and Transition				
M13P3R3, F/A-18 WSO Refresher				
M13P3S3, F/A-18 WSO Modified Refresher				
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
NATOPS Flight Manual Navy Model F/A-18C/D, A1-F18AC-NFM-000	Hard Copy	6		On board
NATOPS Pocket Checklist, At-F18AC-NFM-500	Hard Copy	6		On board
Tactical Manual, AI -F18AE-TAC-000	Hard Copy	6		On board
Tactical Manual Pocket Guide, AI -F18AC-TAC-300	Hard Copy	6		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY:		AO "A1" School			
LOCATION, UIC:		NATTC, NAS Pensacola, 30459			
CIN, COURSE TITLE:		C-646-2011, Aviation Ordnance Common Core Class A1			
		C-646-2012, Aviation Ordnance Airwing Strand Class A1			
		C-646-2013, Aviation Ordnance Weapons Department Strand Class A1			
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>	
Airborne Weapons/Stores Loading Manual F/A-18C/D Aircraft A1-F18AE-LWS-000	Hard Copy	8		On board	
Checklist - GBU-24 F/A-18C/D Aircraft A1-F18AE-LWS-660	Hard Copy	8		On board	
Airborne Weapons Stores Loading Manual F/A-18E/F Aircraft A1-F18EA-LWS-000	Hard Copy	8		On board	
Checklist - GBU-24 F/A-18E/F Aircraft A1-F18EA-LWS-660	Hard Copy	8		On board	
Airborne Weapons/Stores Loading Manual NA 01-F14AAA-75	Hard Copy	8		On board	
F-14 Checklist - GBU-24 NA 01-F14AAA-75-34	Hard Copy	8		On board	
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board	
Airborne Weapons Assembly Manual, Checklist NA 11-140-10-2	Hard Copy	8		On board	

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY:		SFWS Atlantic		
LOCATION, UIC:		NAS Oceana 60191		
CIN, COURSE TITLE:		D-646-0640, Conventional Weapons Loading		
		D-646-0647, Conventional Release System Test		
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons/Stores Loading Manual F/A-18C/D Aircraft A1-F18AE-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18C/D Aircraft A1-F18AE-LWS-660	Hard Copy	8		On board
Airborne Weapons Stores Loading Manual F/A-18E/F Aircraft A1-F18EA-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18E/F Aircraft A1-F18EA-LWS-660	Hard Copy	8		On board
Airborne Weapons/Stores Loading Manual NA 01-F14AAA-75	Hard Copy	8		On board
F-14 Checklist - GBU-24 NA 01-F14AAA-75-34	Hard Copy	8		On board
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board
Airborne Weapons Assembly Manual, Checklist NA 11-140-10-2	Hard Copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: SFWS Pacific				
LOCATION, UIC: NAS Lemoore, 35185				
CIN, COURSE TITLE: E-646-0640, F/A-18 Conventional Weapons Loading				
E-646-0647, F/A-18 Conventional Release System Test				
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons/Stores Loading Manual F/A-18C/D Aircraft A1-F18AE-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18C/D Aircraft A1-F18AE-LWS-660	Hard Copy	8		On board
Airborne Weapons Stores Loading Manual F/A-18E/F Aircraft A1-F18EA-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18E/F Aircraft A1-F18EA-LWS-660	Hard Copy	8		On board
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board
Airborne Weapons Assembly Manual, Checklist NA 11-140-10-2	Hard Copy	8		On board
TRAINING ACTIVITY: MTU 4030 NAMTRAGRU DET				
LOCATION, UIC: NS Mayport, 66069				
CIN, COURSE TITLE: C-122-3113, Precision Guided Weapons Intermediate Maintenance				
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board
Airborne Weapons Assembly Checklist NA 11-140-10-2	Hard Copy	8		On board
Ship Weapons Installation Manual NA 11-120-83	Hard Copy	8		On board
Armament Weapons Support Equipment Configuration Manual NA 11-140-25	Hard Copy	8		On board
Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173)	Hard Copy	8		On board
Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard)	Hard Copy	8		On board
Intermediate Maintenance with IPB, Armament Weapons Support Equipment NA 19-100-3	Hard Copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4032 NAMTRAU				
LOCATION, UIC: Norfolk, 66046				
CIN, COURSE TITLE: C-122-3113, Precision Guided Weapons Intermediate Maintenance				
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board
Airborne Weapons Assembly Checklist NA 11-140-10-2	Hard Copy	8		On board
Ship Weapons Installation Manual NA 11-120-83	Hard Copy	8		On board
Armament Weapons Support Equipment Configuration Manual NA 11-140-25	Hard Copy	8		On board
Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173)	Hard Copy	8		On board
Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard)	Hard Copy	8		On board
Intermediate Maintenance with IPB, Armament Weapons Support Equipment NA 19-100-3	Hard Copy	8		On board
TRAINING ACTIVITY: MTU 4033 NAMTRAU				
LOCATION, UIC: North Island, 66065				
CIN, COURSE TITLE: C-122-3113, Precision Guided Weapons Intermediate Maintenance				
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board
Airborne Weapons Assembly Checklist NA 11-140-10-2	Hard Copy	8		On board
Ship Weapons Installation Manual NA 11-120-83	Hard Copy	8		On board
Armament Weapons Support Equipment Configuration Manual NA 11-140-25	Hard Copy	8		On board
Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173)	Hard Copy	8		On board
Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard)	Hard Copy	8		On board
Intermediate Maintenance with IPB, Armament Weapons Support Equipment NA 19-100-3	Hard Copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MTU 4035 NAMTRAU				
LOCATION, UIC: Whidbey Island, 66058				
CIN, COURSE TITLE: C-122-3113, Precision Guided Weapons Intermediate Maintenance				
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board
Airborne Weapons Assembly Checklist NA 11-140-10-2	Hard Copy	8		On board
Ship Weapons Installation Manual NA 11-120-83	Hard Copy	8		On board
Armament Weapons Support Equipment Configuration Manual NA 11-140-25	Hard Copy	8		On board
Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173)	Hard Copy	8		On board
Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard)	Hard Copy	8		On board
Intermediate Maintenance with IPB, Armament Weapons Support Equipment NA 19-100-3	Hard Copy	8		On board
TRAINING ACTIVITY: NAMTRA MARUNIT				
LOCATION, UIC: MCAS Cherry Point, 66047				
CIN, COURSE TITLE: C-646-3105, Aviation Ordnance Intermediate Maintenance Technician				
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board
Airborne Weapons Assembly Checklist NA 11-140-10-2	Hard Copy	8		On board
Ship Weapons Installation Manual NA 11-120-83	Hard Copy	8		On board
Armament Weapons Support Equipment Configuration Manual NA 11-140-25	Hard Copy	8		On board
Approved Handling Equipment for Weapons and Explosives NA 19-100-1.2 (OP-2173)	Hard Copy	8		On board
Airborne Weapons Handling Equipment NA 19-100-2 (Shipboard)	Hard Copy	8		On board
Intermediate Maintenance with IPB, Armament Weapons Support Equipment NA 19-100-3	Hard Copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY:		NAVSCOLEOD/NAVSCOLEOD DET			
LOCATION, UIC:		Eglin AFB, 46207			
CIN, COURSE TITLE:		A-431-0011, EOD Phase II (Navy)			
		A-431-0012, EOD Phase II			
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>	
Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5	CD-ROM	150		On board	
Airborne Weapons Stores Loading Manual F/A-18C/D Aircraft A1-F18AE-LWS-000	Hard Copy	8		On board	
Checklist - GBU-24 F/A-18C/D Aircraft A1-F18AE-LWS-660	Hard Copy	8		On board	
Airborne Weapons Stores Loading Manual F/A-18E/F Aircraft A1-F18EA-LWS-000	Hard Copy	8		On board	
Checklist - GBU-24 F/A-18E/F Aircraft A1-F18EA-LWS-660	Hard Copy	8		On board	
Airborne Weapons/Stores Loading Manual NA 01-F14AAA-75	Hard Copy	8		On board	
F-14 Checklist - GBU-24 NA 01-F14AAA-75-34	Hard Copy	8		On board	
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board	
Airborne Weapons Assembly Checklist NA 11-140-10-2	Hard Copy	8		On board	

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY:	EODTEU ONE			
LOCATION, UIC:	NS San Diego			
CIN, COURSE TITLE:	G-431-0001, EOD Pre-deployment Team Training			
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5	CD-ROM	150		On board
Airborne Weapons Stores Loading Manual F/A-18C/D Aircraft A1-F18AE-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18C/D Aircraft A1-F18AE-LWS-660	Hard Copy	8		On board
Airborne Weapons Stores Loading Manual F/A-18E/F Aircraft A1-F18EA-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18E/F Aircraft A1-F18EA-LWS-660	Hard Copy	8		On board
Airborne Weapons/Stores Loading Manual NA 01-F14AAA-75	Hard Copy	8		On board
F-14 Checklist - GBU-24 NA 01-F14AAA-75-34	Hard Copy	8		On board
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board
Airborne Weapons Assembly Checklist NA 11-140-10-2	Hard Copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: EODTEU TWO				
LOCATION, UIC: NAB Little Creek				
CIN, COURSE TITLE: G-431-0001, EOD Pre-deployment Team Training				
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Explosive Ordnance Disposal Book, EODB6OG-02-2-34-5	CD-ROM	150		On board
Airborne Weapons Stores Loading Manual F/A-18C/D Aircraft A1-F18AE-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18C/D Aircraft A1-F18AE-LWS-660	Hard Copy	8		On board
Airborne Weapons Stores Loading Manual F/A-18E/F Aircraft A1-F18EA-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18E/F Aircraft A1-F18EA-LWS-660	Hard Copy	8		On board
Airborne Weapons/Stores Loading Manual NA 01-F14AAA-75	Hard Copy	8		On board
F-14 Checklist - GBU-24 NA 01-F14AAA-75-34	Hard Copy	8		On board
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board
Airborne Weapons Assembly Checklist NA 11-140-10-2	Hard Copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MCAS Beaufort				
LOCATION, UIC: Beaufort, S.C.				
CIN, COURSE TITLE: F/A-18 Conventional Weapons Loading				
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons/Stores Loading Manual F/A-18C/D Aircraft A1-F18AE-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 A1-F18AE-LWS-660	Hard Copy	8		On board
Airborne Weapons Stores Loading Manual F/A-18E/F Aircraft A1-F18EA-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18E/F Aircraft A1-F18EA-LWS-660	Hard Copy	8		On board
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board
Airborne Weapons Assembly Manual, Checklist NA 11-140-10-2	Hard Copy	8		On board
TRAINING ACTIVITY: MCAS Iwakuni				
LOCATION, UIC: Iwakuni, Japan				
CIN, COURSE TITLE: F/A-18 Conventional Weapons Loading				
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons/Stores Loading Manual F/A-18C/D Aircraft A1-F18AE-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18C/D Aircraft A1-F18AE-LWS-660	Hard Copy	8		On board
Airborne Weapons Stores Loading Manual F/A-18E/F Aircraft A1-F18EA-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18E/F Aircraft A1-F18EA-LWS-660	Hard Copy	8		On board
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board
Airborne Weapons Assembly Manual, Checklist NA 11-140-10-2	Hard Copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY: MCAS Miramar				
LOCATION, UIC: San Diego, CA				
CIN, COURSE TITLE: F/A-18 Conventional Weapons Loading				
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons/Stores Loading Manual F/A-18C/D Aircraft A1-F18AE-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18C/D Aircraft A1-F18AE-LWS-660	Hard Copy	8		On board
Airborne Weapons Stores Loading Manual F/A-18E/F Aircraft A1-F18EA-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18E/F Aircraft A1-F18EA-LWS-660	Hard Copy	8		On board
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board
Airborne Weapons Assembly Manual, Checklist NA 11-140-10-2	Hard Copy	8		On board

IV.B.3. TECHNICAL MANUALS

TRAINING ACTIVITY:		MOTT NAS Norfolk		
LOCATION, UIC:		NAS Oceana, 60191		
CIN, COURSE TITLE:		F-14 / F/A-18 Conventional Weapons Loading GBU-24 Buildup Training		
<u>TYPE OF MATERIAL OR AID</u>	<u>MEDIUM</u>	<u>QUANT REQD</u>	<u>DATE REQD</u>	<u>STATUS</u>
Airborne Weapons Stores Loading Manual F/A-18E/F Aircraft A1-F18EA-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18E/F Aircraft A1-F18EA-LWS-660	Hard Copy	8		On board
Airborne Weapons/Stores Loading Manual F/A-18C/D Aircraft A1-F18AE-LWS-000	Hard Copy	8		On board
Checklist - GBU-24 F/A-18C/D Aircraft A1-F18AE-LWS-660	Hard Copy	8		On board
Airborne Weapons/Stores Loading Manual NA 01-F14AAA-75	Hard Copy	8		On board
F-14 Checklist - GBU-24 NA 01-F14AAA-75-34	Hard Copy	8		On board
Airborne Weapons Assembly Manual GBU-24 NA 11-140-10	Hard Copy	8		On board
Airborne Weapons Assembly Manual, Checklist NA 11-140-10-2	Hard Copy	8		On board

PART V - MPT MILESTONES

COG CODE	MPT MILESTONES	DATE	STATUS
PDA	Began analysis of MPT requirements		Completed
DCNO/DMSO/CMS SPONSOR	Programmed manpower and training resource requirements		Completed
PDA	Fleet Introduction		Completed
TSA	Began Initial Training		Completed
TA	Began Follow-on Training		Completed
TSA	Delivered Technical Training Equipment		Completed
TSA	Delivered Curricula Materials		Completed
PDA	Developed Draft NTSP	Sep 2000	Completed
PDA	Begin initial production of GBU-24E/B	Oct 2000	Completed
PDA	Conducted OT and DT Training for GBU-24E/B	Oct 2000	Completed
PDA	Begin full rate production of GBU-24E/B	Dec 2000	Completed
PDA	Promulgate Draft NTSP for Review	Mar 2001	Completed
DCNO/DMSO (MP&T)	Conduct NTSP Conference	Apr 2001	If Required
PMA205	Submit Proposed NTSP to OPNAV	Oct 2001	Completed
PDA	Promulgate updated ILSP	Feb 2002	Pending
DCNO (MP&T)	Approved and Promulgate NTSP	Dec 2001	Completed
PDA	Achieve Fleet Initial Operational Capability for GBU-24E/B	Aug 2002	Pending

PART VI - DECISION ITEMS/ACTION REQUIRED

**DECISION ITEM OR
ACTION REQUIRED**

COMMAND ACTION

DUE DATE

STATUS

No Decisions Items or Actions Pending

PART VII - POINTS OF CONTACT

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
CAPT Robert Taylor Head, Strike/ASUW Section CNO, N780D taylor.robert@hq.navy.mil	COMM: (703) 695-1634 DSN: 664-1634 FAX: (703) 695-8823
MAJ William Sellards Weapons Requirements Officer CNO, N780D5 sellards.william@hq.navy.mil	COMM: (703) 614-2760 DSN: 224-2760 FAX: (703) 693-9553
CAPT Mike Bachmann Head Aviation Maintenance Program Branch CNO, N781 bachmann.micheal@hq.navy.mil	COMM: (703) 604-7750 DSN: 664-7750 FAX: (703) 604-6972
CAPT Terry Merritt Head, Aviation Technical Training Branch CNO, N789H merritt.terry@hq.navy.mil	COMM: (703) 604-7730 DSN: 664-7730 FAX: (703) 604-6969
AZCS Gary Greenlee NTSP Manager CNO, N789H1 Greenlee.gray@hq.navy.mil	COMM: (703) 604-7743 DSN: 664-7743 FAX: (703) 604-6939
CDR Kevin Neary Aviation Manpower CNO, N122C1 n122c1@persnet.navy.mil	COMM: (703) 695-3247 DSN: 225-3247 FAX: (703) 614-5308
Mr. Robert Zweibel Training Technology Policy CNO, N795K zweibel.robert@hq.navy.mil	COMM: (703) 602-5151 DSN: 332-5151 FAX: (703) 602-5175
COL David Barraclough, USMC Branch Head, USMC Aviation Manpower Management CMC, ASM-1 barracloughdl@hqmc.usmc.mil	COMM: (703) 614-1244 DSN: 224-1244 FAX: (703) 614-1309
MAJ Sean Blockberger Manpower Integration CMC, ASM-51 blockbergers@hqi.usmc.mil	COMM: (703) 614-1556 DSN: 224--1556 FAX: (703) 614-1309
MAJ Terrance L. Burns Aviation Personnel (Enlisted) CMC, MMEA-84A terrance_l_burns/mm/manpower@manpower.usmc.mil	COMM: (703) 784-9257 DSN: 278-9257 FAX: (703) 784-9845

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL**TELEPHONE NUMBERS****LTCOL David Stokes**

Marine Aviation Weapons Requirements Officer
CMC, ASL-30
stokesda@hqmc.usmc.mil

COMM: (703) 697-7316
DSN: 227-7316
FAX: (703) 697-7343

CAPT Robert Wirt

Program Manager
NAVAIRSYSCOM, PMA201
wirtro@navair.navy.mil

COMM: (301) 757-7477
DSN: 757-7477
FAX: (301) 757-7446

Mr. Keith Sanders

Deputy Program Manager
NAVAIRSYSCOM, PMA201
sandersdk@navair.navy.mil

COMM: (301) 757-7475
DSN: 757-7475
FAX: (301) 757-7446

Dennis Klaszewski

GBU-24 APML
NAVAIRSYSCOM, AIR 3.1.1K
klaszewskidj@navair.navy.mil

COMM: (805) 484-6354
DSN: 893-6354
FAX: (850) 484-6321

Michael Henson

GBU-24 Logistics Manager
NAVAIRSYSCOM, AIR 3.1.1K
hensenmr@navair.navy.mil

COMM: (805) 484-6230
DSN: 893-7464
FAX: (850) 484-6321

AOC Clayton Smeal

Training Systems Manager (TSM)
NAVAIRSYSCOM, PMA205-3H1
smealcc@navair.navy.mil

COMM: (301) 757-8100
DSN: 757-8100
FAX: (301) 757-6941

Mrs. Polyanna Randol

Aviation NTSP Point of Contact
CINCLANTFLT, N-721
randolpa@clf.navy.mil

COMM: (757) 836-0103
DSN: 836-0103
FAX: (757) 836-6737

Mr. Bob Long

Deputy Director of Training
CINCPACFLT, N70
longrh@cpf.navy.mil

COMM: (808) 474-8513
DSN: 474--8513
FAX: (808) 471-8596

LT Cliff Lenphier

Fleet Training and Readiness Coordinator
CINCPACFLT, N73
lanphiers@cpf.navy.mil

COMM: (808) 474-8529
DSN: 474-8529
FAX: (808) 474-8596

CDR Bill Glenn

CNAL Force Weapons Officer
glennwg@cna.navy.mil

COMM: (757) 444-7882
DSN: 564-7482
Fax: (757) 444-7483

LCDR Tom Sanford

CNAP Force Weapons Officer
sanford.tom@cnap.navy.mil

COMM: (619) 545-2807
DSN: 735-2807
Fax: (619) 545-2774

NAME / FUNCTION / ACTIVITY, CODE / INTERNET EMAIL	TELEPHONE NUMBERS
<p>LCDR Kenneth Minnard Weapons Officer COMNAVAIRRESFOR, AIRN3W airn3w@cnrf.nola.mil</p>	<p>COMM: (504) 678-6846 DSN: 678-6846 FAX: (504) 678-1442</p>
<p>CAPT Patricia Huiatt Deputy Assistant, Chief of Naval Personnel for Distribution NAVPERSCOM, PERS-4B, 4b@persnet.navy.mil</p>	<p>COMM: (901) 874-3529 DSN: 882-3529 FAX: (901) 874-2606</p>
<p>CDR Timothy Ferree Branch Head, Aviation Enlisted Assignments NAVPERSCOM, PERS-404 p404@persnet.navy.mil</p>	<p>COMM: (901) 874-3691 DSN: 882-3691 FAX: (901) 874-2642</p>
<p>MAJ Henry Dominique, USMC ACE Branch Head, Total Force Structure Division MCCDC, C5325A dominguehj@mccdc.usmc.mil</p>	<p>COMM: (703) 784-6241 DSN: 278-6241 FAX: (703) 784-6072</p>
<p>CDR Erich Blunt Aviation Technical Training CNET, ETE-32 Cdr-erich.blunt@cnet.navy.mil</p>	<p>COMM: (904) 452-4915 DSN: 922-4915 FAX: (904) 452-4901</p>
<p>AOCM William Harrison Air Launched Weapons Technical Coordinator NAMTRAGRU HQ, N2412 aocm-william.c.harrison@cnet.navy.mil</p>	<p>COMM: (904) 452-9708 ext. 252 DSN: 922-9708 FAX: (904) 452-9769</p>
<p>CWO4 Steven Bebow EOD Training Aids Acquisition NAVSCOLEOD, N-42 steven.bebow@eglin.af.mil</p>	<p>COMM: (850) 882-2914 DSN: 872-2914 FAX: (850) 882-9519</p>
<p>Mr. Albert Castro Management Analyst ISI Inc. castaa@ispec.com</p>	<p>COMM: (301) 866-6220 FAX: (301) 866-6150</p>